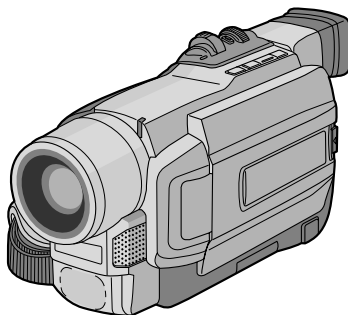


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVL355EG/EK, DVL357EG/EK, DVL555EG/EK, DVL557EG/EK



Mini **DV** PAL

DSC
DIGITAL
STILL CAMERA

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVL150/157/355/357/450/555/557)*

Camcorder	
For General	
Power supply	: DC 11.0 V $\equiv$ (Using AC Adapter) DC 7.2 V $\equiv$ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.3 W
LCD monitor on, viewfinder off	: Approx. 5.3 W
Video light	: Approx. 3.5 W
Dimensions (W x H x D)	: 83 mm x 97 mm x 188 mm (with the LCD monitor closed and the viewfinder pushed down)
Weight	: Approx. 610 g (GR-DVL557/DVL555/DVL450) Approx. 590 g (GR-DVL357/DVL355/DVL157/DVL150)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens
Filter diameter	: ϕ 37 mm
LCD monitor	: 3.5" diagonally measured, LCD panel/TFT active matrix system (GR-DVL557/DVL555/DVL450) 2.5" diagonally measured, LCD panel/TFT active matrix system (GR-DVL357/DVL355/DVL157/DVL150)
Viewfinder	: Electronic viewfinder with 0.44" colour LCD (GR-DVL557/DVL555/DVL450) Electronic viewfinder with 0.24" black/white LCD (GR-DVL357/DVL355/DVL157/DVL150)
Speaker	: Monaural
For Digital Video Camera	
Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera (GR-DVL557/DVL555/DVL357/DVL355 only)

Storage media	: SD Memory Card/MultiMediaCard
Compression system	: JPEG (compatible)
File size	: VGA (640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images with memory card [8 MB] (provided)	
FINE	: 100
STANDARD	: 200
with memory card [16 MB] (optional)	
FINE	: 200
STANDARD	: 400
with memory card [32 MB] (optional)	
FINE	: 400
STANDARD	: 800
with memory card [64 MB] (optional)	
FINE	: 800
STANDARD	: 1600

For Connectors

S-Video	
Output	: Y : 1 V (p-p), 75 Ω , analogue C : 0.29 V (p-p), 75 Ω , analogue
Input (GR-DVL557 only)	: Y : 0.8 V (p-p) - 1.2 V (p-p), 75 Ω , analogue C : 0.2 V (p-p) - 0.4 V (p-p), 75 Ω , analogue
AV	
Video output	: 1 V (p-p), 75 Ω , analogue
Video input (GR-DVL557 only)	: 0.8 V (p-p) - 1.2 V (p-p), 75 Ω , analogue
Audio output	: 300 mV (rms), 1 k Ω , analogue, stereo
Audio input (GR-DVL557 only)	: 300 mV (rms), 50 k Ω , analogue, stereo
DV	
Output	: 4-pin, IEEE 1394 compliant
Input (GR-DVL557/DVL357/DVL157 only)	: 4-pin, IEEE 1394 compliant
USB (GR-DVL557/DVL555/DVL357/DVL355 only)	: 5-pin
PC (DIGITAL PHOTO)	
(GR-DVL450/DVL157/DVL150 only)	: ϕ 2.5 mm, 3-pole
EDIT (GR-DVL557/DVL555/DVL357/DVL355 only)	: ϕ 3.5 mm, 2-pole
JLIP (GR-DVL450/DVL157/DVL150 only)	: ϕ 3.5 mm, 4-pole

AC adapter AP-V10EG

Power requirement	: AC 110 V to 240 V~, 50 Hz/60 Hz
Output	: DC 11 V $\equiv$, 1 A
Dimensions (W x H x D)	: 59 mm x 31 mm x 84 mm
Weight	: Approx. 140 g (not including Power Cord)

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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The following table lists the differing points between Models GR-DVL355EG/EK, GR-DVL357EG/EK, GR-DVL555EG/EK and GR-DVL557EG/EK in this series.

	GR-DVL355EG	GR-DVL355EK	GR-DVL357EG	GR-DVL357EK	GR-DVL555EG	GR-DVL555EK	GR-DVL557EG	GR-DVL557EK
VIEW FINDER	B/W	B/W	B/W	B/W	COLOR	COLOR	COLOR	B/W
LCD MONITOR	2.5"	2.5"	2.5"	2.5"	3.5"	3.5"	3.5"	3.5"
AV IN	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	USED	NOT USED
S IN	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	USED	NOT USED
DV IN	NOT USED	NOT USED	USED	USED	NOT USED	NOT USED	USED	NOT USED
AC ADAPTER	AP-V10EG	AP-V10EK	AP-V10EG	AP-V10EK	AP-V10EG	AP-V10EK	AP-V10EG	AP-V10EK

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded () parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:

- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:

- | | | |
|--------------------|--------------------------------------|------------|
| 1) Insulation Tape | 3) Spacers | 5) Barrier |
| 2) PVC tubing | 4) Insulation sheets for transistors | |

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

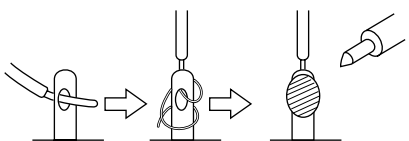


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

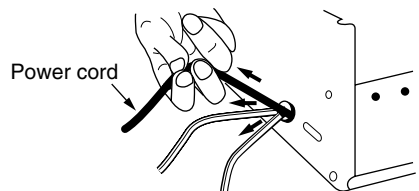


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

1) Connector part number : E03830-001

2) Required tool : Connector crimping tool of the proper type which will not damage insulated parts.

3) Replacement procedure

(1) Remove the old connector by cutting the wires at a point close to the connector.

Important : Do not reuse a connector (discard it).

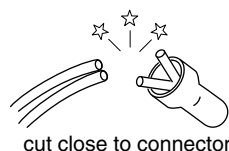


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

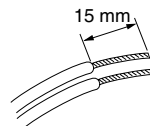


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

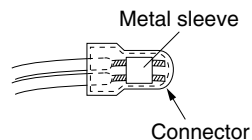


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

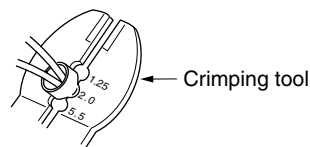


Fig.6

(5) Check the four points noted in Fig.7.

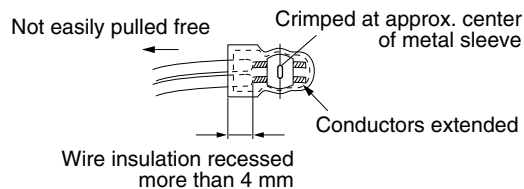


Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

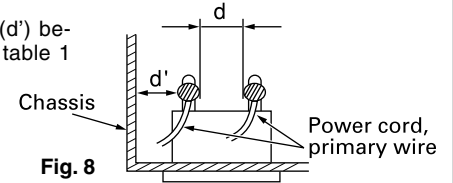
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

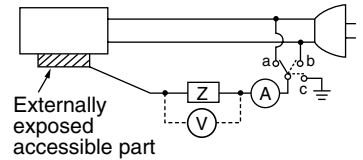


4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method : (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

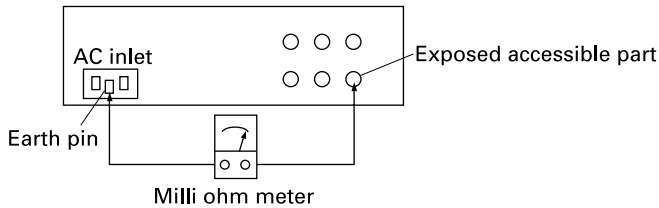


5. Grounding (Class 1 model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	$Z \leq 0.1 \text{ ohm}$
Europe & Australia	$Z \leq 0.5 \text{ ohm}$

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	$R \geq 1 \text{ M}\Omega/500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3 \text{ mm}$
100 to 240 V			AC 1.5 kV 1 minute	$d, d' \geq 4 \text{ mm}$
110 to 130 V	USA & Canada	$1 \text{ M}\Omega \leq R \leq 12 \text{ M}\Omega/500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3.2 \text{ mm}$
110 to 130 V 200 to 240 V	Europe & Australia	$R \geq 10 \text{ M}\Omega/500 \text{ V DC}$	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	$d \geq 4 \text{ mm}$ $d' \geq 8 \text{ mm}$ (Power cord) $d' \geq 6 \text{ mm}$ (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	$1 \text{ k}\Omega$	$i \leq 1 \text{ mA rms}$	Exposed accessible parts
110 to 130 V	USA & Canada	$0.15 \mu\text{F}$ in parallel with $1.5 \text{ k}\Omega$	$i \leq 0.5 \text{ mA rms}$	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	$2 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Antenna earth terminals
		$50 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1 DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
Unless specified otherwise, tighten screws at a torque of 0.069N·m(0.7kgf·cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(ZOOM) ASSY	Fig.1-3-1	(S①a),(S①b),2(L①a),2(L①b)	-
②	UPPER CASE ASSY (Inc.E.VF UNIT (B/W.COLOR), SPEAKER/MONITOR)	Fig.1-3-2	(S②a),(S②b),(L②),(S②c) 2(S②a),(S②d),4(S②a) CAP(DC JACK) ☆CN②a	NOTE②

(1) (2) (3) (4) (5)

- (1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.
- (2) Indicates the name of disassembly/assembly parts.
- (3) Indicates the number in the disassembly diagram.
- (4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol Name, Point
 S Screw
 L Lock, Pawl, Hook
 SD Soldering
 ☆(Others) Connector, Cover, Bracket, etc.

(Example)

- 2 (S1) : Remove the two screws (S1) for removing the part 1.
- CN②a: Disconnect the connector ②a).
- SD1 : Unsolder at the point SD1.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.

↔ : Wire
 ⇔ : Flat wire
 ⇔ : Board to Board connector

[Example]

Note: Remove the parts marked in .

CONN. No.	CONNECTOR				Pin No.
②a	MAIN	CN101	↔	MONITOR	CN761 50

1.1.4 Disconnection of Connectors (Wires)

Connector

Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

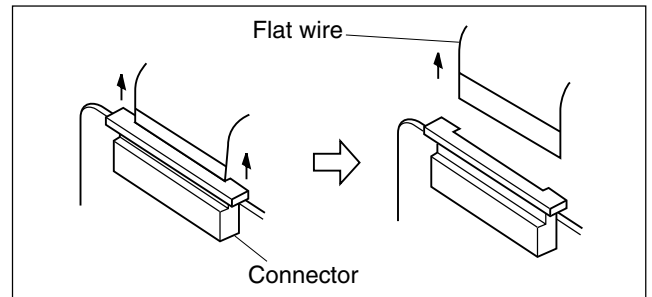


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

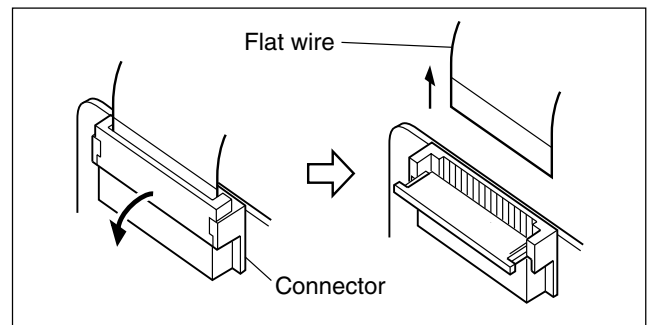


Fig. 1-1-2 Connector 2

B-B connector

Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

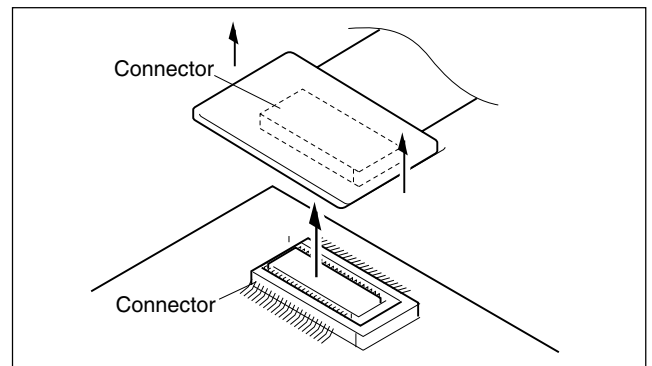


Fig. 1-1-3 Connector 3

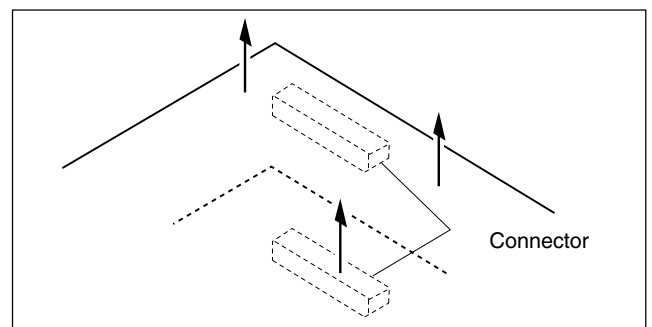


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

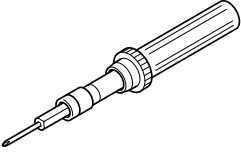
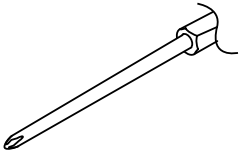
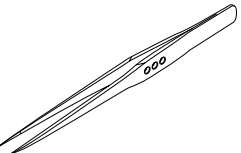
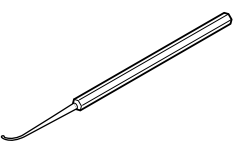
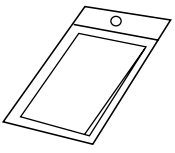
1 Torque Driver YTU94088 	2 Bit YTU94088-003 
3 Tweezers P-895 	4 Chip IC Replacement Jig PTS40844-2 
5 Cleaning Cloth KSMM-01 	

Table 1-2-1

1. Torque driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC replacement jig

To be used for adjustment of the camera system.

5. Cleaning cloth

Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

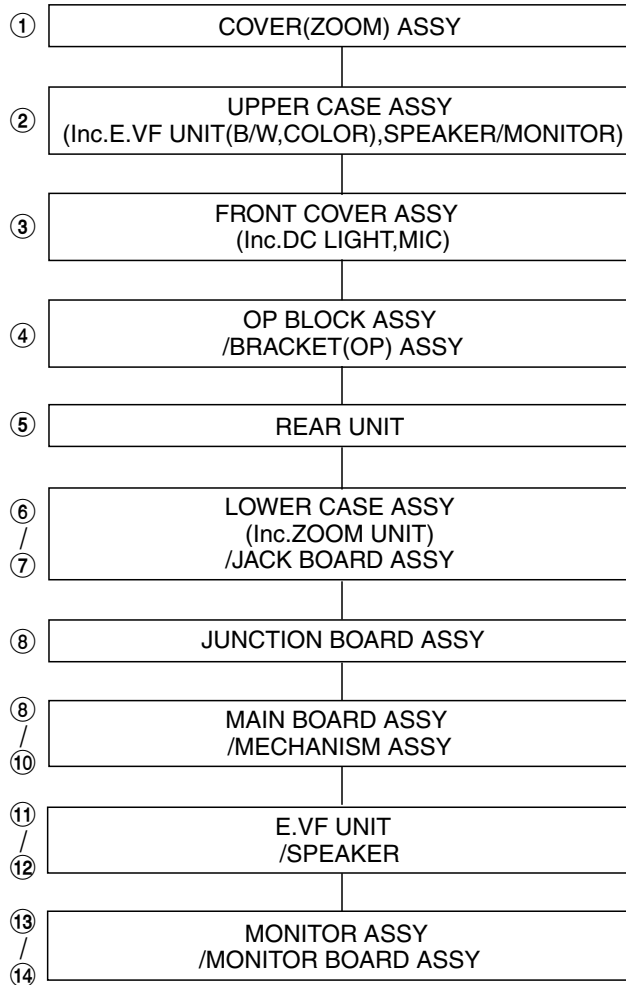


Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(ZOOM) ASSY	Fig.1-3-1	(S①a),(S①b),2(L①a),2(L①b)	-
②	UPPER CASE ASSY (Inc.E.VF UNIT (B/W.COLOR), SPEAKER/ MONITOR)	Fig.1-3-2	(S②a),(S②b),(L②),(S②c) 2(S②a),(S②d),4(S②a) CAP(DC JACK) ☆CN②a	NOTE②
③	FRONT COVER ASSY (Inc.DC LIGHT,MIC)	Fig.1-3-3	COVER(JACK),3(S③),(L③a) (L③b),☆CN③a	NOTE③a NOTE③b
④	OP BLOCK ASSY /BRACKET(OP) ASSY	Fig.1-3-4	☆CN④a,④b 2(S④),2(L④)	-
⑤	REAR UNIT	Fig.1-3-5	☆CN⑤a 4(S⑤)	NOTE⑤
⑥	LOWER CASE ASSY (Inc.ZOOMUNIT)	Fig.1-3-6	☆CN⑥a,⑥b,⑥c (S⑥a),2(S⑥b),2(S⑥c) (L⑥a),(L⑥b)	-
⑦	JACK BOARD ASSY		(S⑦)	NOTE⑦
⑧	JUNCTION BOARD ASSY	Fig.1-3-7	☆CN⑧a,⑧b,⑧c 2(S⑧),☆CN⑧d	NOTE⑧a NOTE⑧b
⑨	MAIN BOARD ASSY	Fig.1-3-8	(S⑨a),(L⑨a),SHIELD PLATE ☆CN⑨a,⑨b,⑨c	-
⑩	/MECHANISM ASSY		2(S⑨b),(L⑨b),(L⑨c)	-
⑪	E.VF UNIT	Fig.1-3-9	☆CN⑪a,(S⑪a),(S⑪b) (L⑪)	NOTE⑪a NOTE⑪b
⑫	/SPEAKER		(S⑫),PLATE(SPK) ☆CN⑫a	-
⑬	MONITOR ASSY	Fig.1-3-10	2(S⑬a),COVER(HINGE) ☆CN⑬a,2(S⑬b)	NOTE⑬
⑭	/MONITOR BOARD ASSY		3(S⑬),L⑬	NOTE⑭a NOTE⑭b NOTE⑭c NOTE⑭d

Table 1-3-2

Note: Remove the parts marked in .

CONN. No.	CONNECTOR				Pin No.
②a	MAIN	CN101	↔	MONITOR	CN761 50
③a	MAIN	CN106	↔	MIC	— 3
④a	MAIN	CN107	↔	CCD	— 20
④b	MAIN	CN108	↔	OP BLOCK ASSY	— 24
⑤a	MAIN	CN104	↔	REAR UNIT	CN1 10
⑥a	MAIN	CN109	↔	ZOOM UNIT	— 15
⑥b	MAIN	CN102	↔	JACK	CN501 9
⑥c	JACK	CN502	↔	MAIN	CN103 14
⑧a	JUNCTION	CN571	↔	MAIN	CN113 34
⑧b	JUNCTION	CN574	↔	LOADING MOTOR	— 6
⑧c	JUNCTION	CN573	↔	DRUM MOTOR	— 11
⑧d	JUNCTION	CN572	↔	SENSOR	— 15
⑨a	MAIN	CN110	↔	HEAD	— 8
⑨b	MAIN	CN112	↔	CAPSTAN MOTOR	— 18
⑨c	MAIN	CN111	↔	ROTARY ENCODER	— 6
⑪a	MONITOR	CN763	↔	E.VF UNIT (C_B/W)	CN721/CN751 20
⑫a	MONITOR	CN765	↔	SPEAKER	— 2
⑬a	MONITOR	CN764	↔	LCD BL	CN751 33/32

Table 1-3-3

NOTE ②: Remove the CAP (DC JACK) before removing these parts .

NOTE ③a: As it is difficult to remove (L③b), remove the F. COVER ASSY by lowering it.

NOTE ③b: Be careful not to damage any parts.
Particularly, take care not to scratch or stain the lenses.

NOTE ⑤: As screw No. 19 is hidden behind the cassette cover, open the cassette cover to enable removal of the screw.

NOTE ⑦: As screw No. 27 is hidden behind the cassette cover, open it before removing the screw.

NOTE ⑧a: As the CN572 is located at the back of the assembly, unplug the three connectors and remove the screws before disconnecting the CN572.

NOTE ⑧b: Be careful not to damage any of the switches.

NOTE ⑪a: To remove the unit, unlock the connector and pull out the unit together with the FPC.

NOTE ⑪b: When removing the unit, insert the FPC into the gap.

NOTE ⑬: When reassembling the MONITOR ASSY, be careful not to damage any of the parts.

NOTE ⑭a: To remove the assembly, pull the memory card out in advance. (MMC compatible models only)

NOTE ⑭b: Be careful not to damage any of the parts.

NOTE ⑭c: Be careful not to damage any of the parts.
SW KNOB(DC LIGHT: Gray)

NOTE ⑭d: Be careful not to damage any of the parts.
SW KNOB(VIDEO-DSC: Violet)

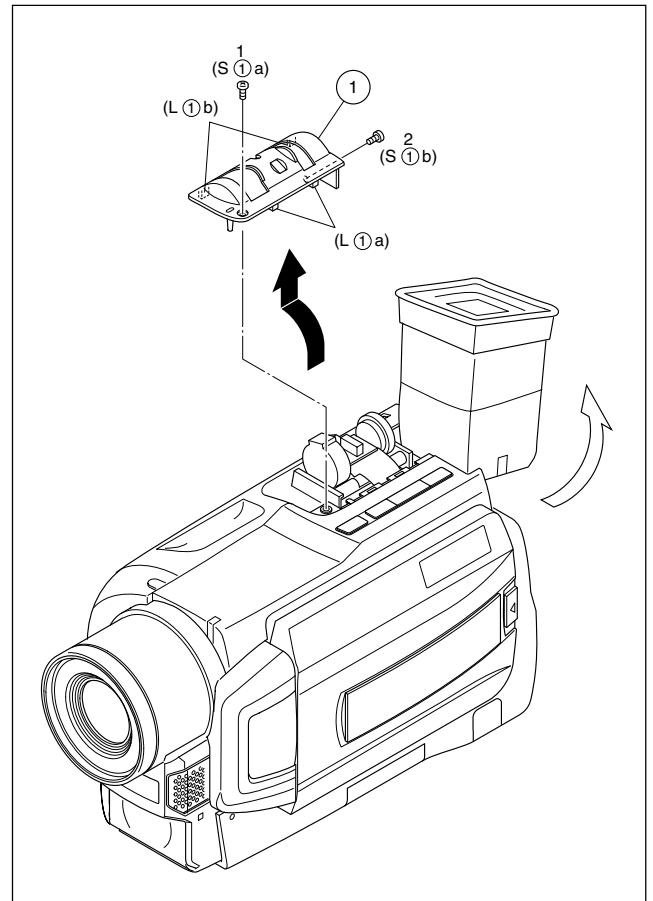


Fig. 1-3-1

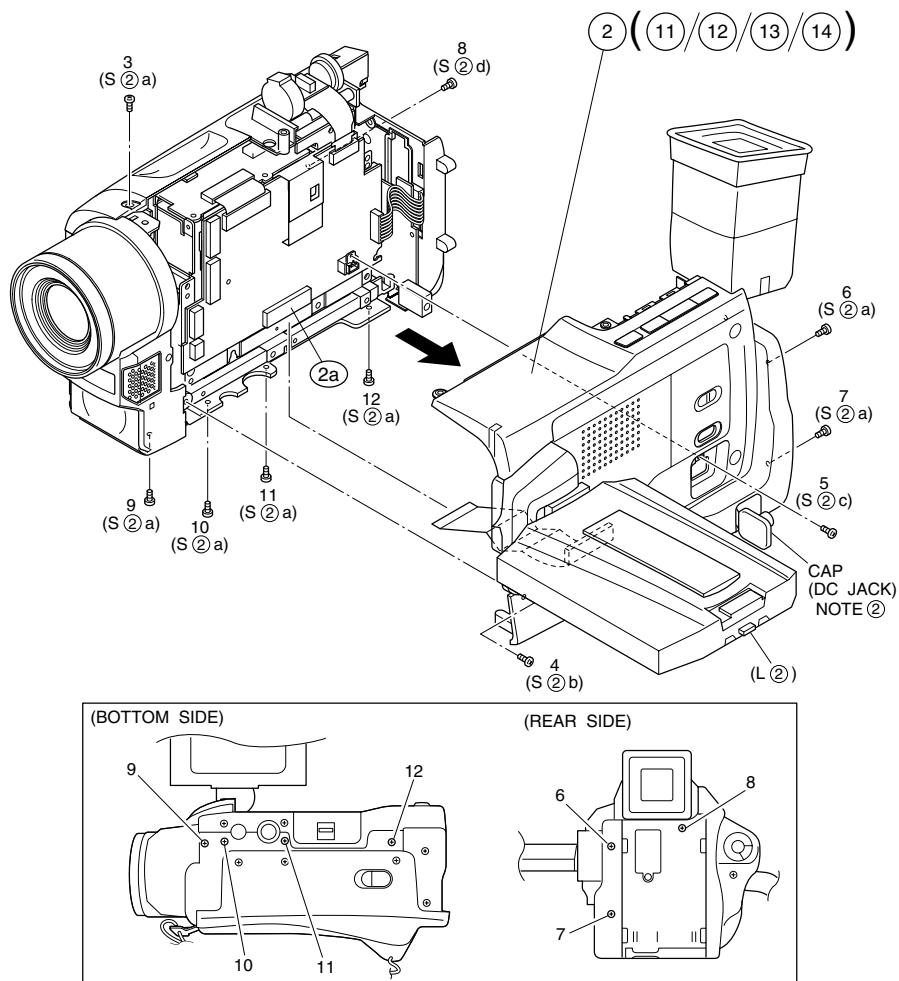


Fig. 1-3-2

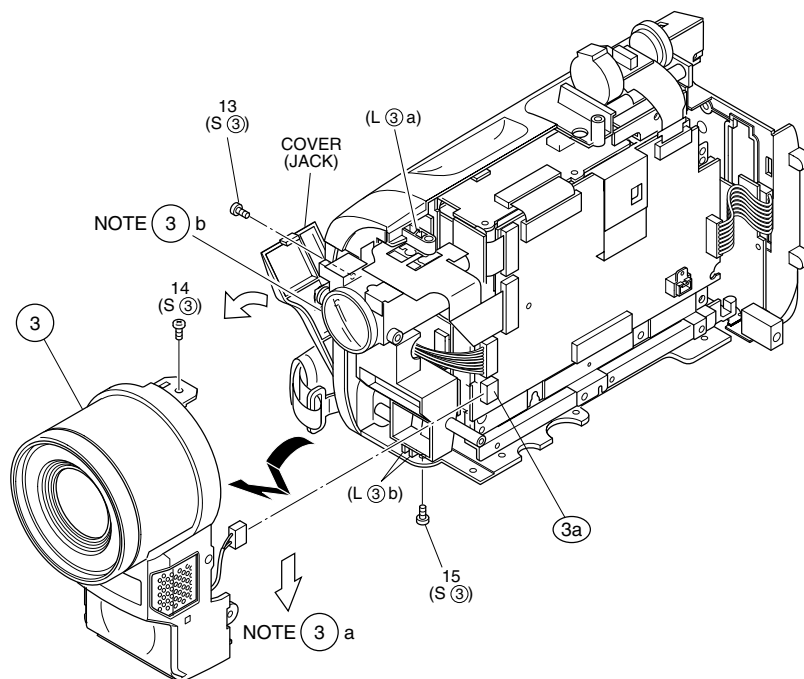


Fig. 1-3-3

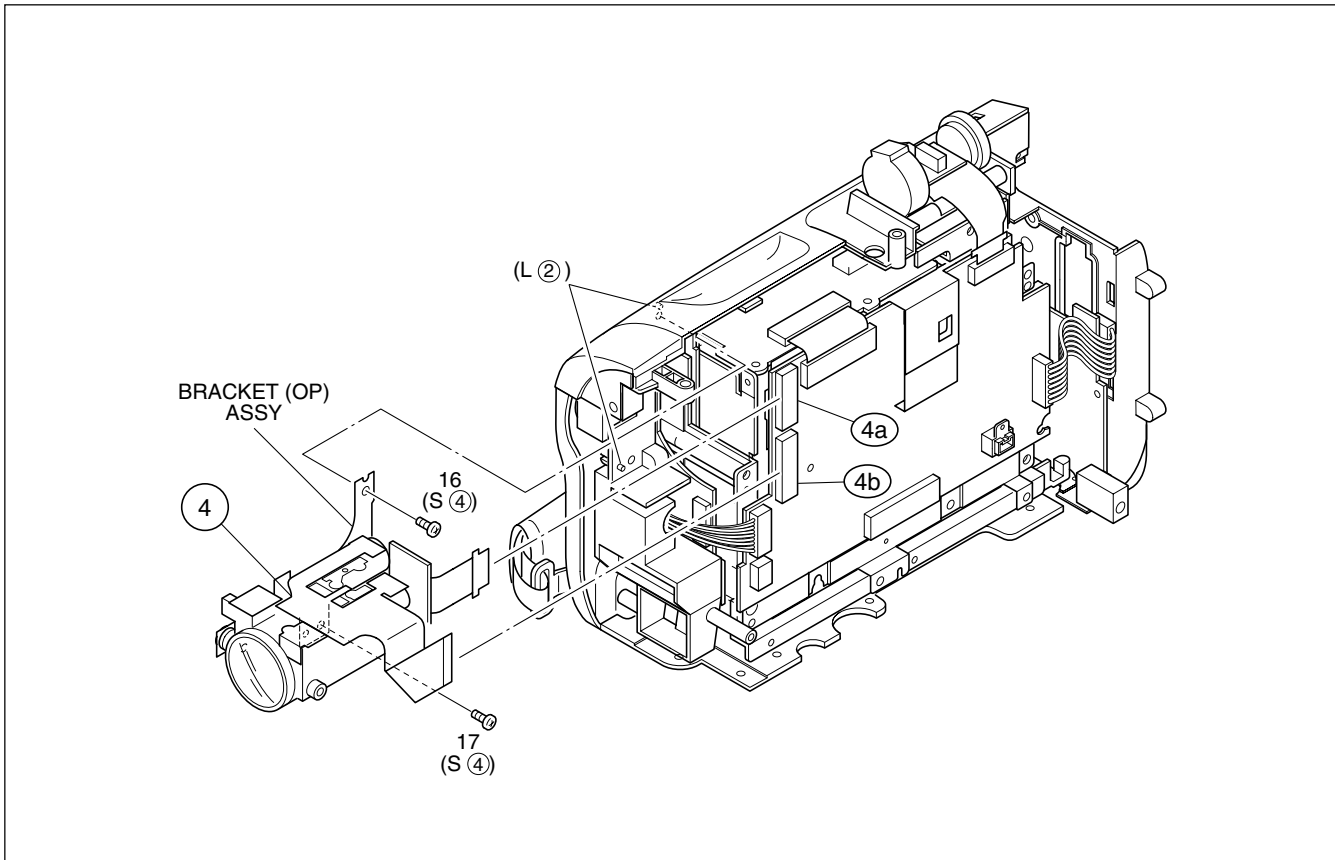


Fig. 1-3-4

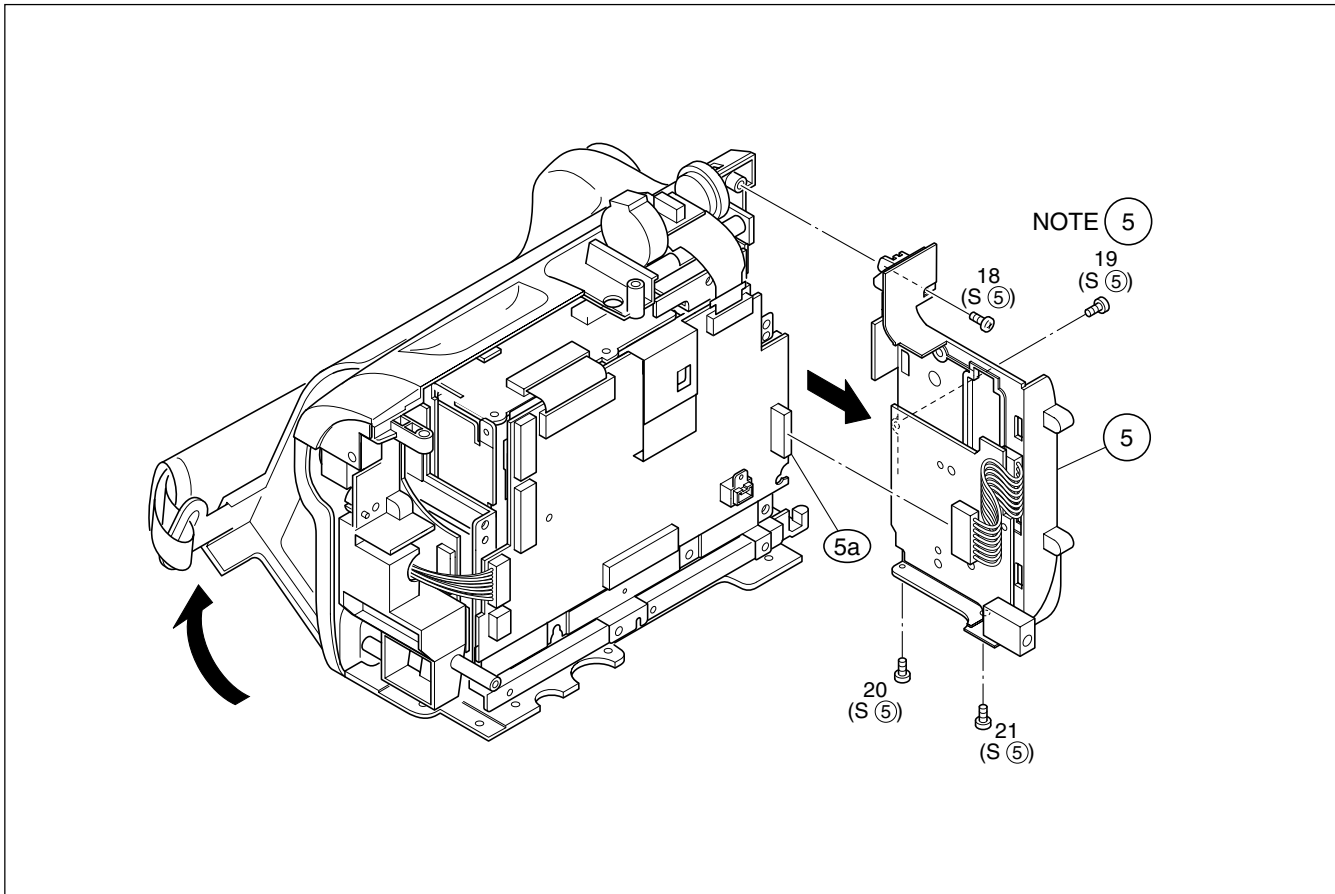


Fig. 1-3-5

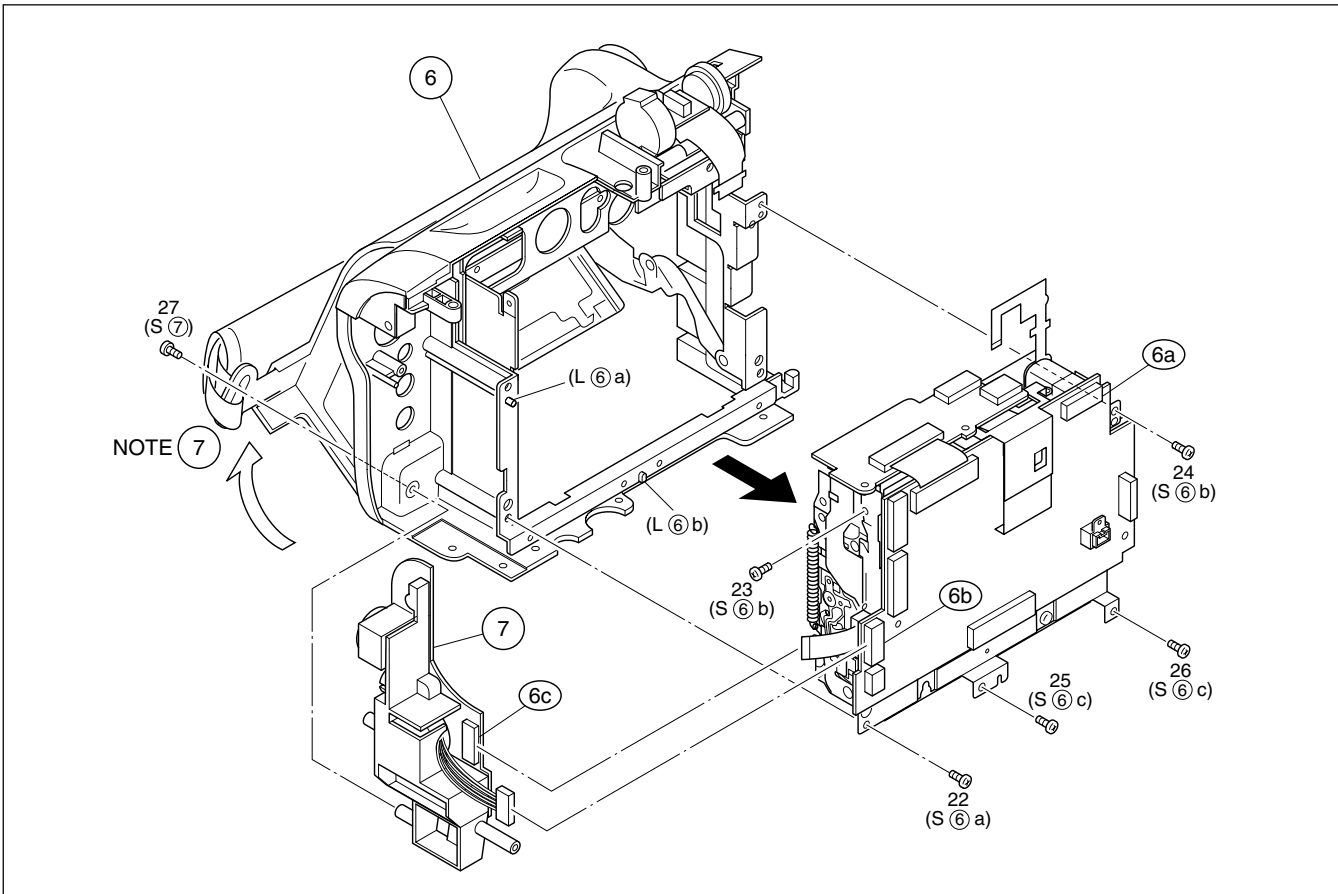


Fig. 1-3-6

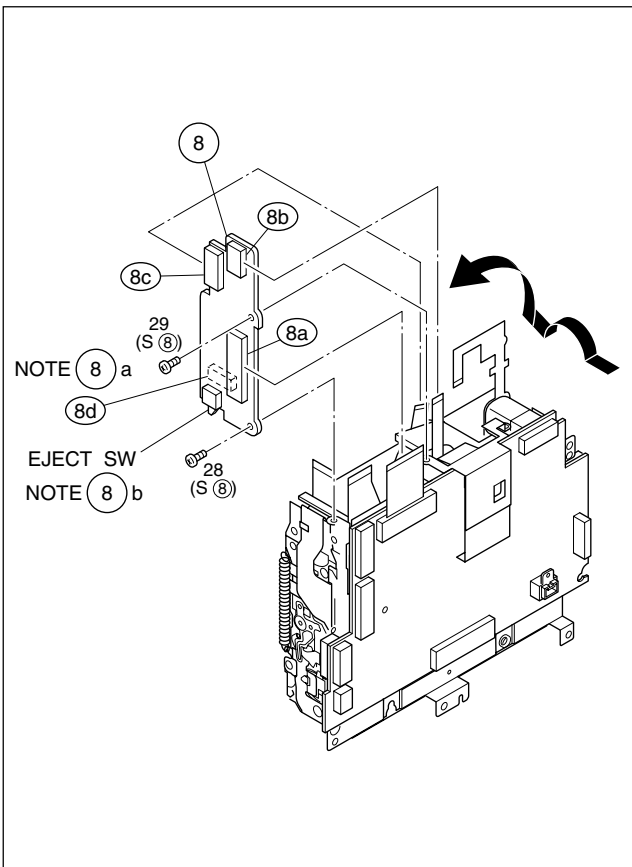


Fig. 1-3-7

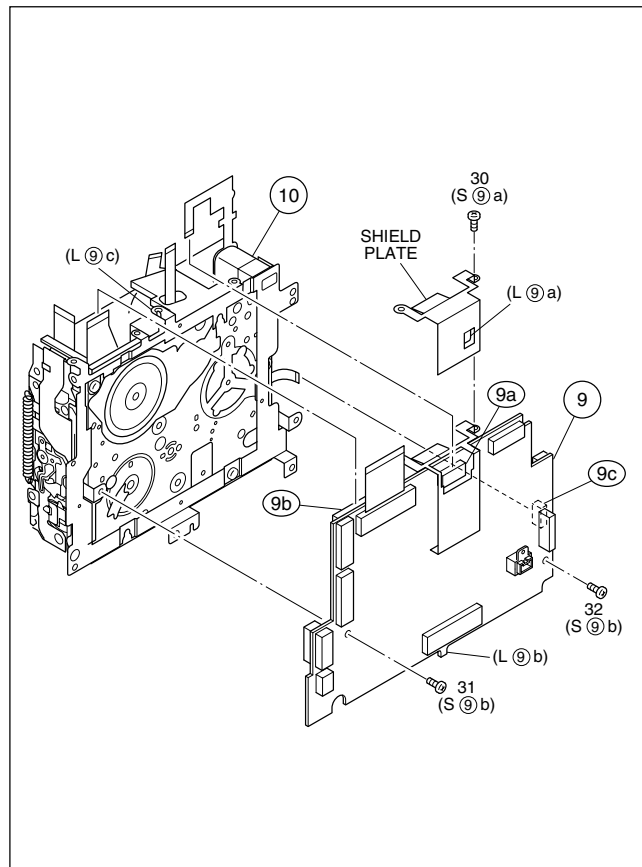
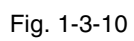
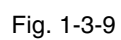


Fig. 1-3-8



1.4 ⑬ MONITOR ASSEMBLY

Note: The shape of the monitor assembly varies by the size of the LCD screen.

For the 2.5"-type LCD, refer to Fig. 1-4-1.

1.4.1 Disassembly/assembly of monitor assembly (for 2.5"-type LCD)

Note: *Be careful not to soil or scratch the monitor screen through the disassembly/assembly work.*

1. Remove the four screws 1 to 4 in numerical order. While disengaging the six hooks (L13a to L13f) in alphabetical order, remove the monitor cover assembly.
2. Unlock the connector a and then disconnect the FPC while lifting the hinge assembly upwards to remove it together with the FPC.

Note 13a: For disconnecting the FPC, unlock the connector first and then lift the hinge assembly upwards. Accordingly, the FPC is disconnected together with the hinge assembly.

Note¹³b: *Treat the wires carefully.*

3. Unplug the wires and FPCs from the two connectors ⑥, ⑦, and then remove the MONITOR BL board assembly, holder (PWB) and backlight in that order.
4. Remove the LCD module.

1.4.2 Disassembly/assembly of hinge assembly (for 2.5"-type LCD)

1. Remove the three screws (5 to 7), and then remove the hinge covers (1) and (2) by disengaging a total of four hooks (L13g, L13h) at the two sides.
2. Separate the SW board assembly and the FPC from the hinge assembly.

Note¹³c: When connecting the FPC, arrange the FPC wire by winding it around the shaft (hinge pin) of the hinge assembly by two and a half turns while paying heed to the orientation of the hinge assembly and FPC.

Note¹³d: When disassembling/assembling the hinge assembly, pay careful attention to every part not to damage anything.

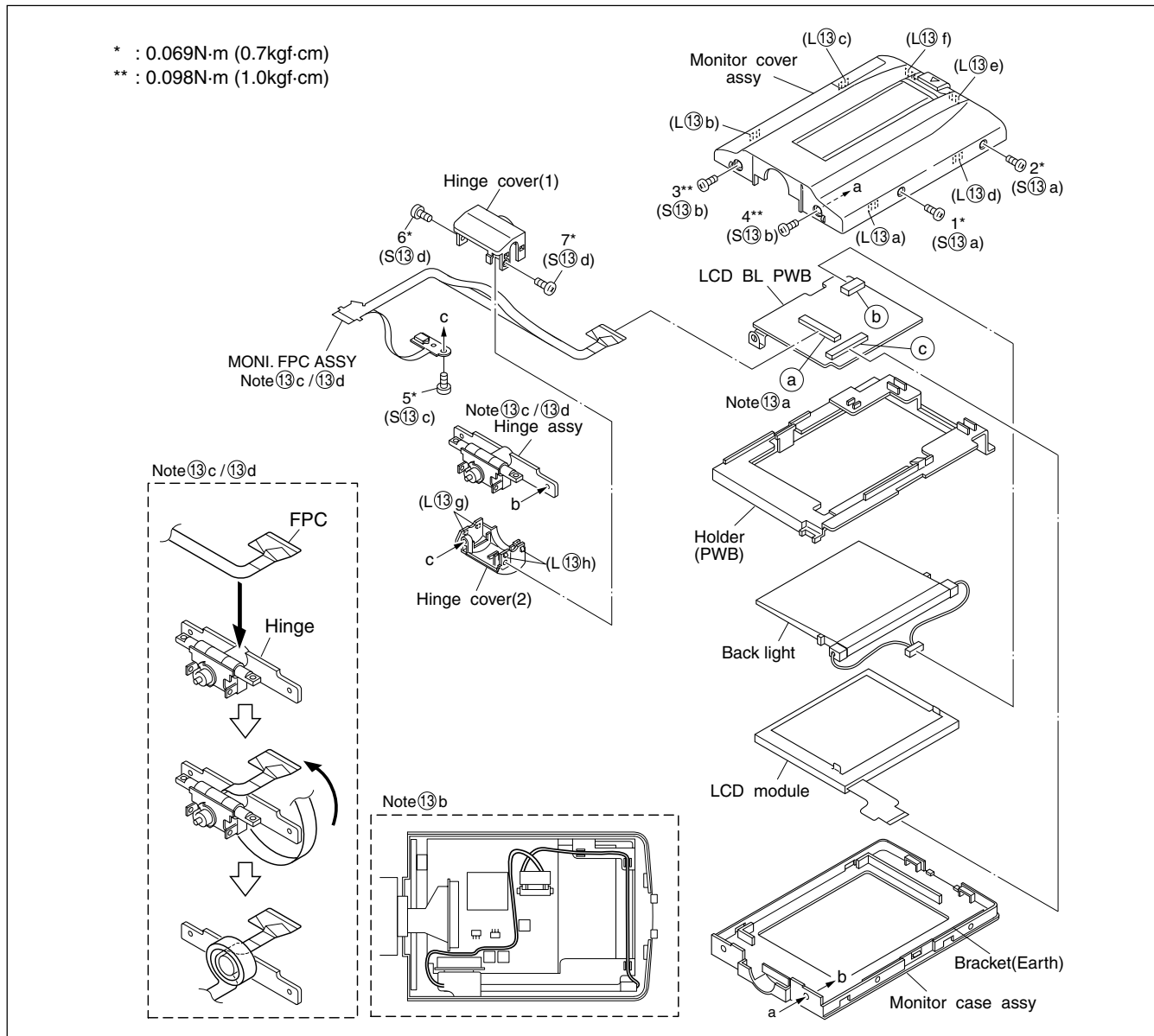


Fig. 1-4-1

Note: The shape of the monitor assembly varies depending on the size of the LCD screen.
For the 3.5"-type LCD, refer to Fig. 1-4-2.

1.4.3 Disassembly/assembly of monitor assembly (for 3.5"-type LCD)

Note: Be careful not to soil or scratch the monitor screen through the disassembly/assembly work.

1. Remove the four screws 1 to 4 in numerical order. While disengaging the six hooks (L13a to L13f) in alphabetical order, open the monitor cover assembly and remove it after disconnecting the FPC from the connector a..

Note13e: When removing the monitor cover assembly, be careful not to damage the FPC and connector.

2. Unlock the connector b and then disconnect the FPC while lifting the hinge assembly upwards to remove it together with the FPC.

Note13f: For disconnecting the FPC, unlock the connector first and then lift the hinge assembly upwards. Accordingly, the FPC is disconnected together with the hinge assembly.

Note13g: Treat the wires carefully.

3. Unplug the wires and FPCs from the two connectors ①, ②, and then remove the MONITOR BL board assembly, holder (PWB) and backlight in that order.
4. Remove the LCD module.

1.4.4 Disassembly/assembly of hinge assembly (for 3.5"-type LCD)

1. Remove the three screws (5 to 7), and then remove the hinge covers (1) and (2) by disengaging a total of four hooks (L13g, L13h) at the two sides.
2. Separate the SW board assembly and the FPC from the hinge assembly.

Note13h: When disassembling/assembling the hinge assembly, pay careful attention to every part not to damage anything.

Note13j: When connecting the FPC, arrange the FPC wire by winding it around the shaft (hinge pin) of the hinge assembly by two and a half turns while paying heed to the orientation of the hinge assembly and FPC.

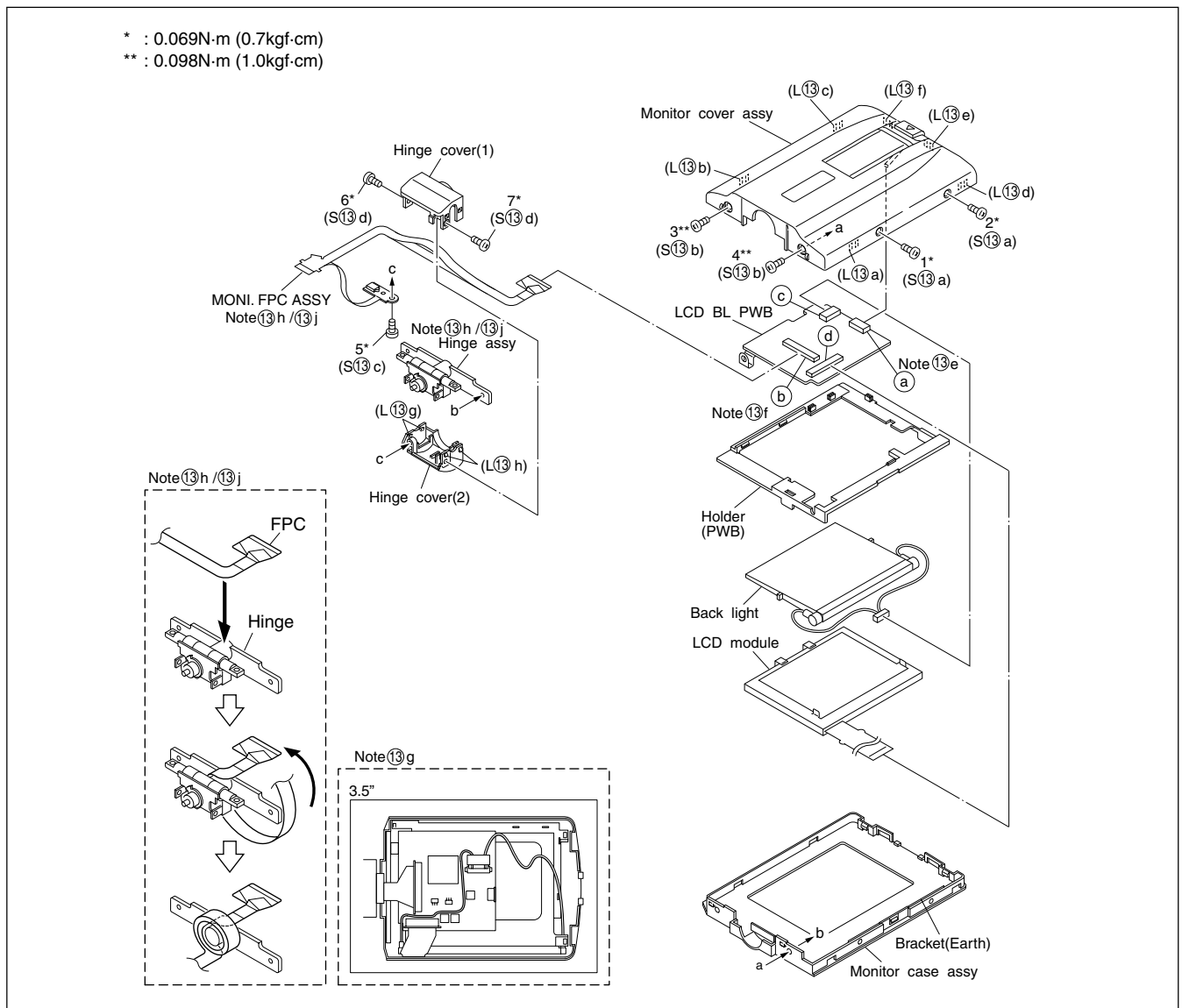


Fig. 1-4-2

1.5 ⑪ E. VF ASSEMBLY

Note: The shape of the E. VF assembly varies by the type of the viewfinder (B/W, color VF).

(For the B/W VF, refer to Fig. 1-5-1.
(For the COLOR VF, refer to Fig. 1-5-2.)

1.5.1 Disassembly/assembly of E. VF assembly (for B/W VF)

1. Remove the two screws (1, 2) and the eyepiece assembly while disengaging the hook (L⑪a).
2. Remove the two screws (3, 4). And spread one side of the top case sub-assembly to disengage the hooks (L⑪b, L⑪c) that are located at both sides of the top case sub-assembly, then remove the top case sub-assembly.

Note⑪a: When removing the top case sub-assembly, peel off or unplug the FPC that is bonded to the sub-assembly.

Note⑪b: When reassembling the top case sub-assembly, be careful not to catch the FPC between any of the parts.

3. Remove the screw (5) and then remove the LCD assembly.

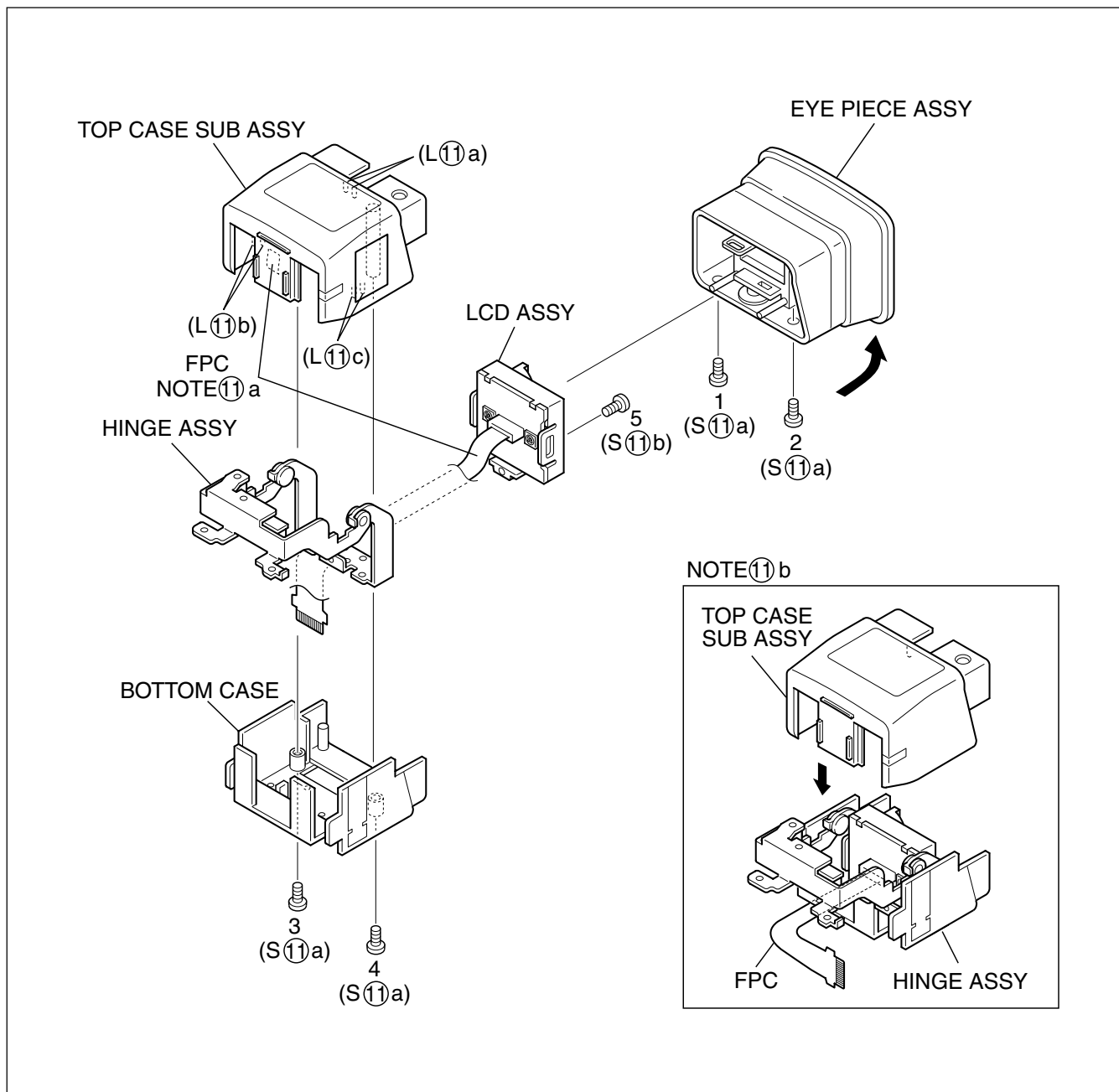


Fig. 1-5-1

1.5.2 Disassembly/assembly of E. VF assembly (for Color VF)

Note: Place the E. VF assembly with the VF case (upper) assembly down through the disassembly/assembly work.

1. Remove the two screws (1, 2) and the eyepiece assembly while disengaging the hook (L11a).
2. Remove the two screws (3, 4). And spread one side of the top case sub-assembly to disengage the hooks (L11b, L11c) that are located at both sides of the top case sub-assembly, then remove the top case sub-assembly.

Note11c: When removing the top case sub-assembly, peel off or unplug the FPC that is bonded to the sub-assembly.

Note11d: When reassembling the top case sub-assembly, be careful not to catch the FPC between any of the parts.

3. Remove the screw (5) and then remove the LCD assembly.

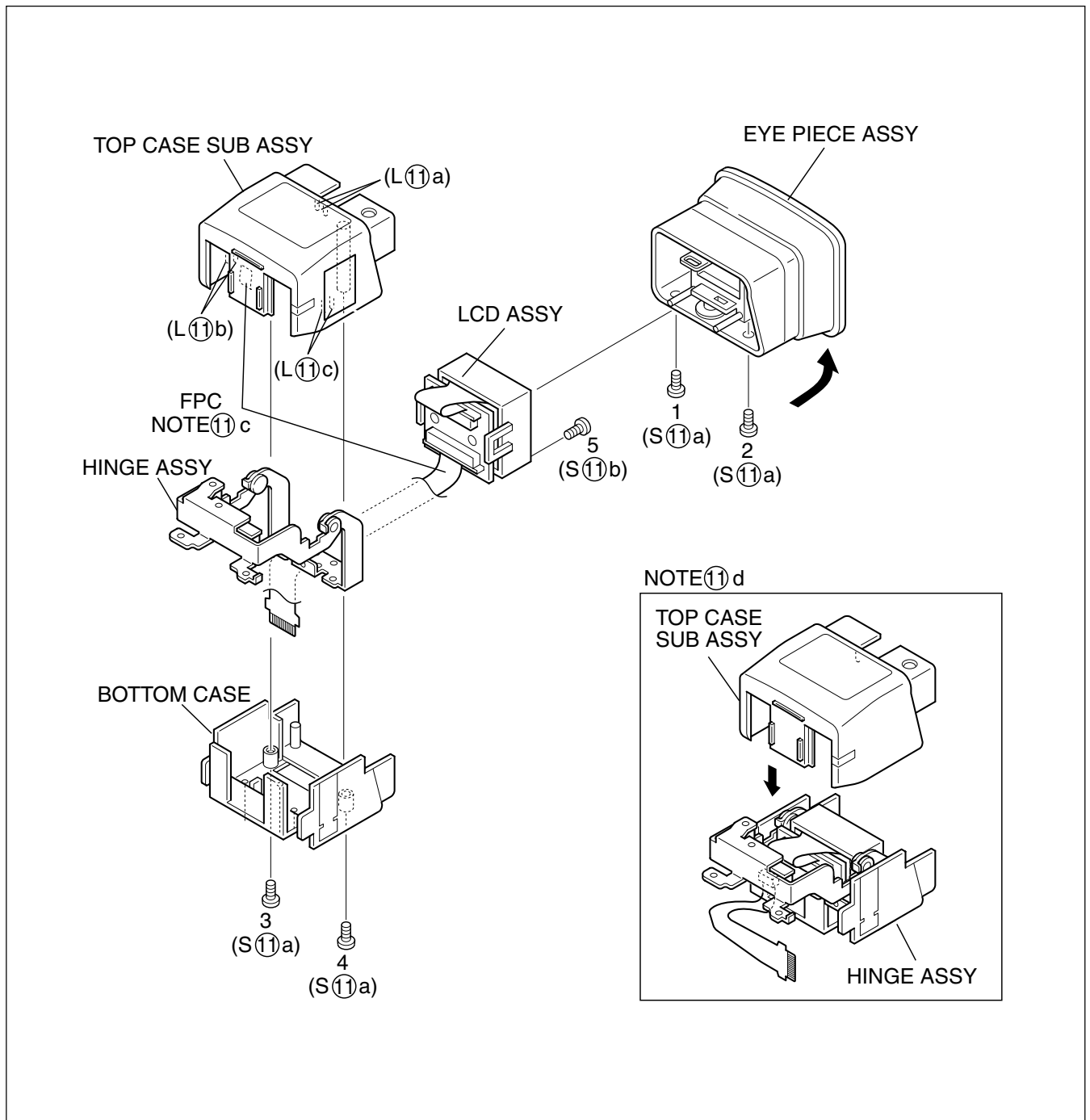


Fig. 1-5-2

1.6 DISASSEMBLY/ASSEMBLY OF OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

1.6.1 Precautions

1. Take care in handling the CCD image sensor, optical LPF and lens components when performing maintenance etc., especially with regard to surface contamination, attached dust or scratching. If fingerprints are present on the surface they should be wiped away using either a silicon paper, clean chamois or the cleaning cloth.
2. The CCD image sensor may have been shipped with a protective sheet attached to the transmitting glass. When replacing the CCD image sensor, do not peel off this sheet from the new part until immediately before it is mounted in the OP Block Assembly.
3. The orientation of the optical LPF is an important factor for installation. If there is some marking on the LPF, be sure to note it down before removing and to reassemble it very carefully as it was referring to the marking.

1.6.2 How to remove CCD board assembly and CCD base assembly

1. Unsolder the CCD board assembly by the 14 points (SD1) and then remove it.
2. Remove the two screws (1, 2) and remove the CCD base assembly.

Note④a: When removing the CCD base assembly, pay heed to the CCD image sensor because the spacer rubber and optical LPF are occasionally removed together with the CCD image sensor.

Note ④b: When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.

1.6.3 How to assemble CCD base assembly and CCD board assembly

1. Install the optical LPF with the spacer rubber attached to its CCD side in the OP block assembly.

Note④c: Pay careful attention to the orientation of the LPF.

2. Set the CCD base assembly with careful attention to the spacer rubber not to come off the right position, and fasten them together with the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and then solder it by the 14 points (SD1).

1.6.4 Replacement of Service Repair Parts

The service repair parts for the OP Block Assembly are as listed below.

Before replacement of these parts, remove the bracket (OP assembly) as required.

Take special care not to disconnect any of the FPC wires or cause any damage due to soldering (excessive heating).

1. Focusing motor
2. Zoom motor
3. Iris motor unit

Note④d: When replacing the focusing motor or the zoom motor, solder the FPC at a space of about 1 mm above the terminal pin.

Note④e: The iris motor unit includes the FPC Assembly and two sensors.

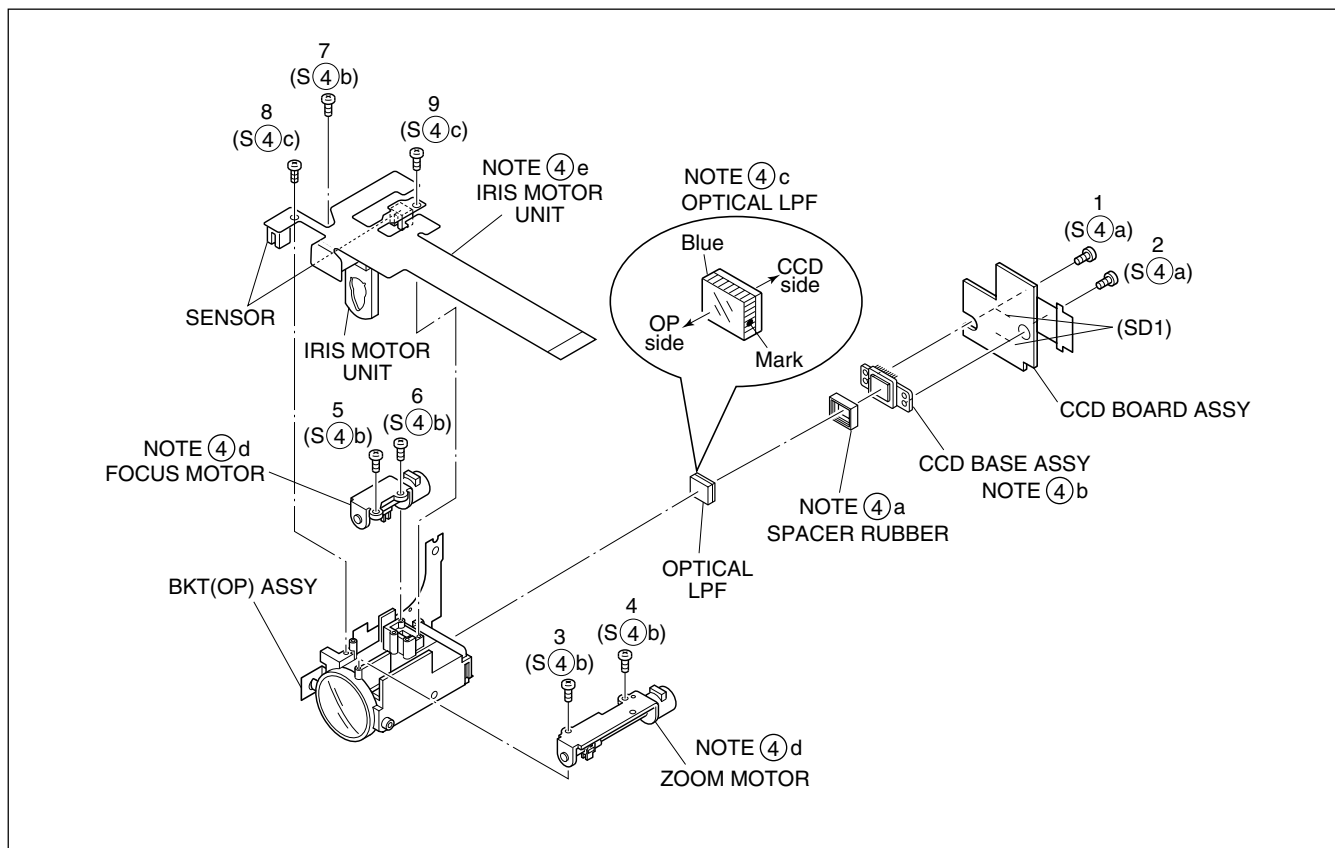


Fig. 1-6-1

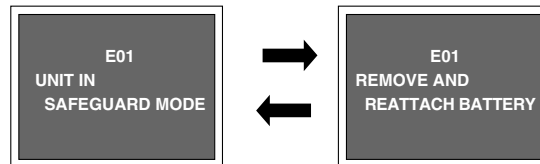
1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).

In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	- The mechanism is locked during mode shift. - The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. - No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	- The mechanism is locked during mode shift. - The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	- The idler gear does not engage with the reel disk well. - Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. - No FG pulse is output from the reel sensor. - No power is supplied to the reel sensor. - Tape transport operation takes place with a cassette having no tape inside. - The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	- The drum cannot be started or drum rotation is stopped because tape transport load is too high. - Tape tension is extremely high. - The tape is damaged or soiled with grease, etc. - The DRUM FG signal is not received by the syscon CPU. - Disconnection in the middle of the signal line. - Failure of the DRUM FG pulse generator (hall element). - No drum control voltage is supplied to the MDA. - No power is supplied to the DRUM MDA.
E05	—	—	—
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	- The CAPSTAN FG signal is not received by the syscon CPU. - Disconnection in the middle of the signal line. - Failure of the CAPSTAN FG pulse generator (MR element). - No capstan control voltage is supplied to the MDA. - No power is supplied to the CAPSTAN MDA. - The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. - Tape tension is extremely high. (Mechanical locking) - The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-7-1

Symbol No.	→	①	② (⑪ / ⑫ / ⑬ / ⑭)										③			④		⑤											
Removing order of screw	→	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21								
Place to stick screw	→		*																										
Reference drawing	→	Fig. 1-3-1	Fig. 1-3-2																			Fig. 1-3-3			Fig. 1-3-4		Fig. 1-3-5		
Screw tightening torque	→	I																											

Symbol No.	→	⑥		⑦	⑧		⑨ / ⑩		⑪		⑫	⑬		⑭								
Removing order of screw	→	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Place to stick screw	→	*	*	*	*	*									*	*	*	*				
Reference drawing	→	Fig. 1-3-6						Fig. 1-3-7		Fig. 1-3-8			Fig. 1-3-9			Fig. 1-3-10						
Screw tightening torque	→	I																		II		I

	MONITOR ASSY						
→ Removing order of screw	1	2	3	4	5	6	7
→ Place to stick screw							
→ Reference drawing	Fig. 1-4-1, 2						
→ Screw tightening torque	III		IV			III	

	VF UNIT(B/W,COLOR)				
→ Removing order of screw	1	2	3	4	5
→ Place to stick screw					
→ Reference drawing	Fig. 1-5-1, 2				
→ Screw tightening torque	III				

	OP BLOCK ASSY								
	1	2	3	4	5	6	7	8	9
Removing order of screw →									
Place to stick screw →									
Reference drawing →	Fig. 1-6-1								
Screw tightening torque →	V								

^
NOTE
v

- 1) *: Don't reuse the screw, because screw lock bond was applied to them.
- 2) Pay careful attention to tightening torque for each screw.
- | | | | | | |
|----|------------------------|----|------------------------|-----|------------------------|
| I | : 0.088N.m (0.9kgf.cm) | II | : 0.147N.m (1.5kgf.cm) | III | : 0.069N.m (0.7kgf.cm) |
| IV | : 0.098N.m (1.0kgf.cm) | V | : 0.118N.m (1.2kgf.cm) | | |

Table 1-8-1

SECTION 2 MECHANISM ADJUSTMENT

2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N·m (0.4 kgf·cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

2.1.2 Notes on procedure for disassembly/assembly

The disassembling procedure table (Table 2-4-1 on page 2-6,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.

Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

- (1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.
- (2) This column shows part names corresponding to circled numbers in the left column.

- (3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side

- (4) Symbols appearing in this column indicate drawing numbers.

Step Part Name Fig. Point Note Remarks

- (5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring

W = Washer

S = Screw

* = Lock (L),soldering (SD),shield,connector (CN), etc.

- Example
- Remove ((W1)=Washer W1.
 - **Remove the solder at (SD1)=Point SD1.
 - **Disconnect (A)=Connector (A) .

- (6) Numbers in this column represent the numbers of notes in the text.For example, "1" means "Note 1".
(For parts that need phase adjustment after reassembling, refer to "2.6 MECHANISM ADJUSTMENTS".)

- (7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
(A)	Cassette housing assembly	T	Fig. 2-4-5	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
(2a)	Reel disk (SUP) assembly	T	Fig. 2-4-6	(W2)	2a, 2b	
(2b)	Reel disk (TU) assembly	T		(W2)	2a, 2b	
(2c)	Reel cover assembly	T		(S2b),2(S2a),(W2)	2d	
(3a)	Tension arm assembly	T	Fig. 2-4-7	(W3a)	3b	
(3b)	Release guide assembly	T		-	3a	
(3c)	Idler arm assembly	T		(W3b)	-	
(3d)	Guide arm assembly	T		-	3a	
(3e)	Pinch roller arm assembly	T		(W3a)	-	
(4a)	Cleaner arm assembly	T	Fig. 2-4-8	(L4a)	4a	
(4b)	Slant pole arm assembly	T		(W4),(L4b),(P4a),(P4b)	4b	
(4c)	Drum assembly	T		3(S4)	-	
(5a)	Guide roller (S) assembly	T	Fig. 2-4-9	(P5)	5a	
(5b)	Rail assembly	T		3(W5a), (W5b)	5b, 5c	

↑
(1)

↑
(2)

↑
(3)

↑
(4)

↑
(5)

↑
(6)

↑
(7)

2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

2.2.1 Tools required for adjustments

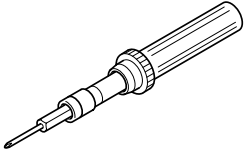
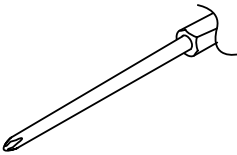
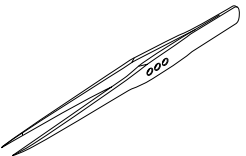
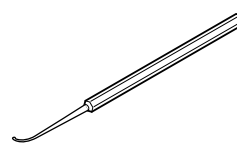
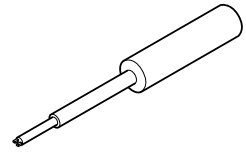
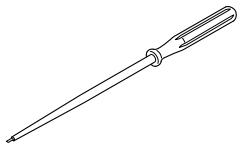
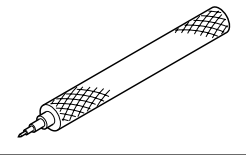
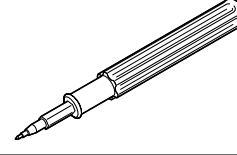
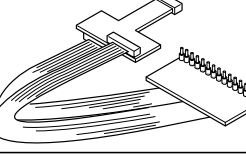
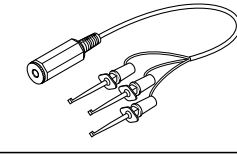
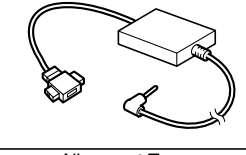
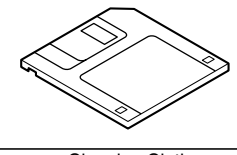
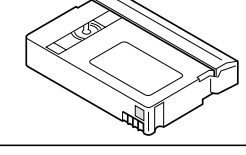
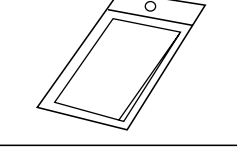
1	Torque Driver YTU94088	2	Bit YTU94088-003
			
3	Tweezers P-895	4	Chip IC Replacement Jig PTS40844-2
			
5	Guide Driver YTU94148A	6	Adjustment Driver YTU94028
			
7	Slit Washer Installation Jig YTU94121A	8	Slit Washer Installation Jig YTU94121B
			
9	Jig Connector cable YTU93082G	10	Communication cable YTU93107A
			
11	PC cable QAM0099-002	12	Service Support System YTU94057-52
			
13	Alignment Tape MC-2	14	Cleaning Cloth KSMM-01
			

Table 2-2-1

1. Torque Driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC replacement Jig

To be used for adjustment of the camera system.

5. Guide Driver

To be used to turn the guide roller to adjustment of the linearity of playback envelope.

6. Adjustment Driver

To be used for adjustment.

7. Slit washer Installation Jig

To be used to install slit washers.

8. Slit washer Installation Jig (NEW TYPE)

To be used to install slit washers.

9. Jig Connector cable

Connected to CN105 of the main board and used for electrical adjustment, etc.

10. Communication cable

Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

11. PC cable

To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

12. Service Support System

To be used for adjustment with a personal computer.

13. Alignment Tape

To be used for check and adjustment of interchangeability of the mechanism.

14. Cleaning Cloth

Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM

ASSEMBLY

2.3.1 General statement

The mechanism should generally be disassembled/assembled in the EJECT mode (ASSEMBLY mode). (Refer to Fig. 2-3-1.)

However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the EJECT mode compulsory.

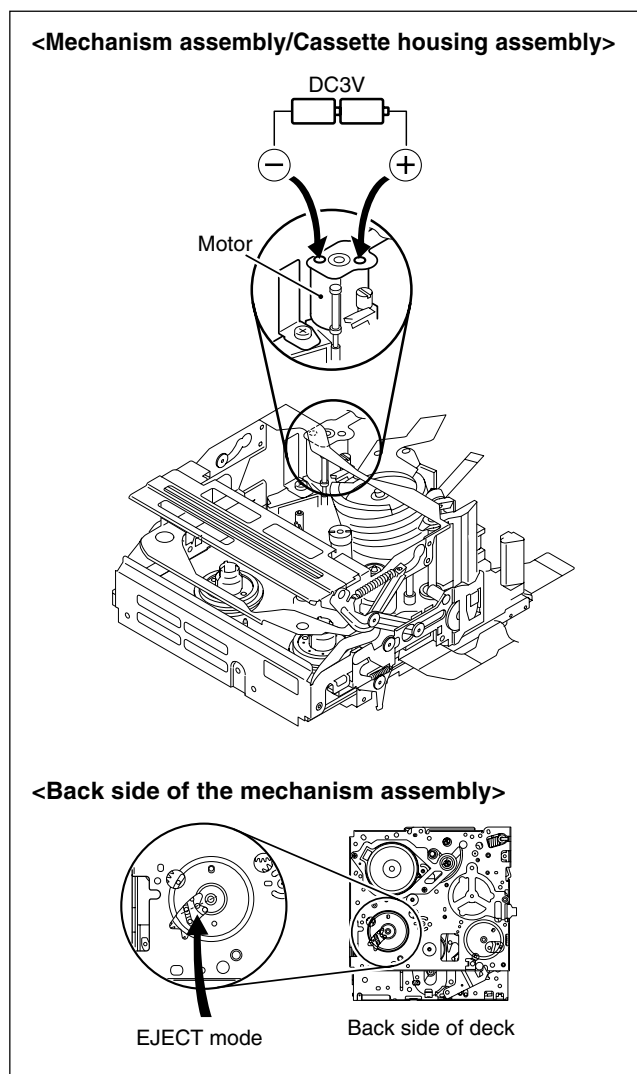


Fig. 2-3-1

2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into six modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "O" mark on the sub cam gear to the inner or outer protrusion on the main deck.

Refer to Fig. 2-3-2 to 2-3-8 below.

The EJECT mode, C IN mode and SHORT FF mode should be recognized by the relative position of the "O" mark to the inner protrusion, while the STOP mode, REV mode and PLAY mode should be recognized by that to the outer protrusion.

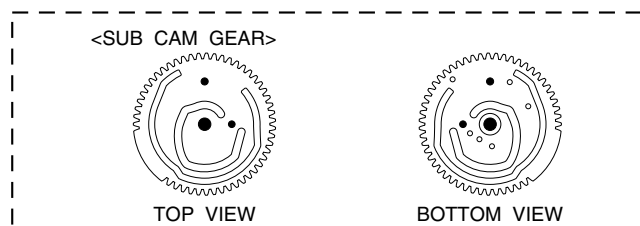


Fig. 2-3-2

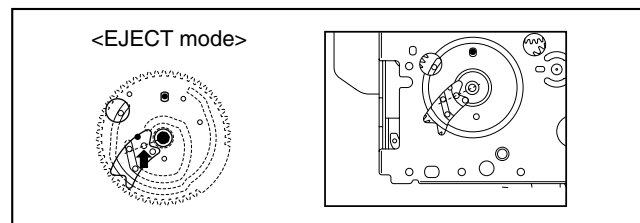


Fig. 2-3-3

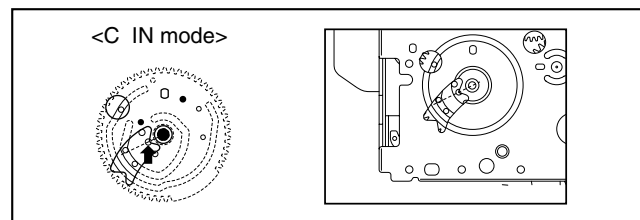


Fig. 2-3-4

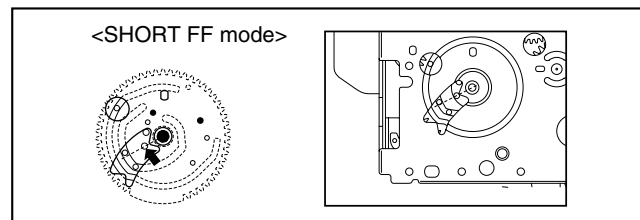


Fig. 2-3-5

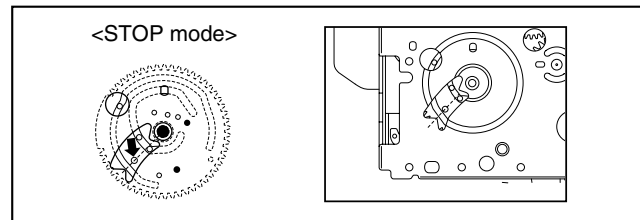


Fig. 2-3-6

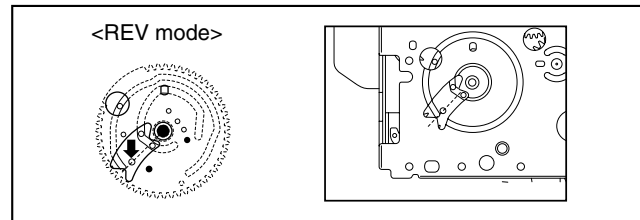


Fig. 2-3-7

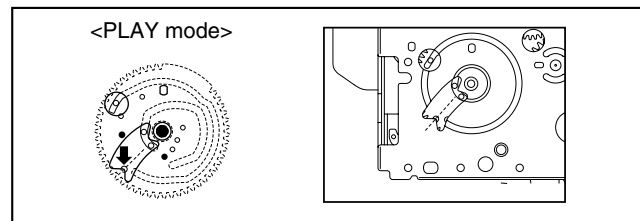


Fig. 2-3-8

2.3.3 Mechanism timing chart

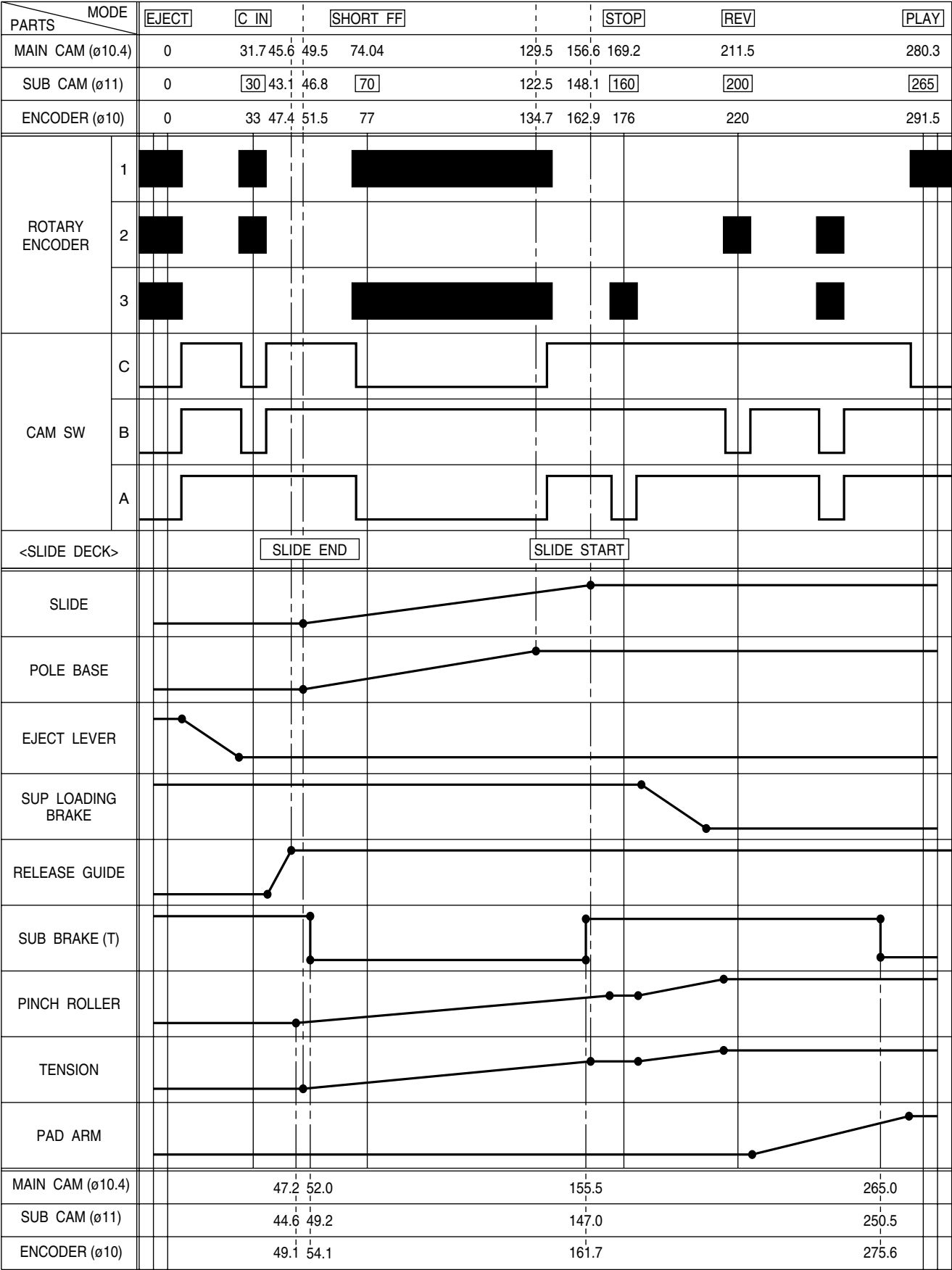


Table 2-3-1

2.4 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.4.1 Follow chart

1. Configuration

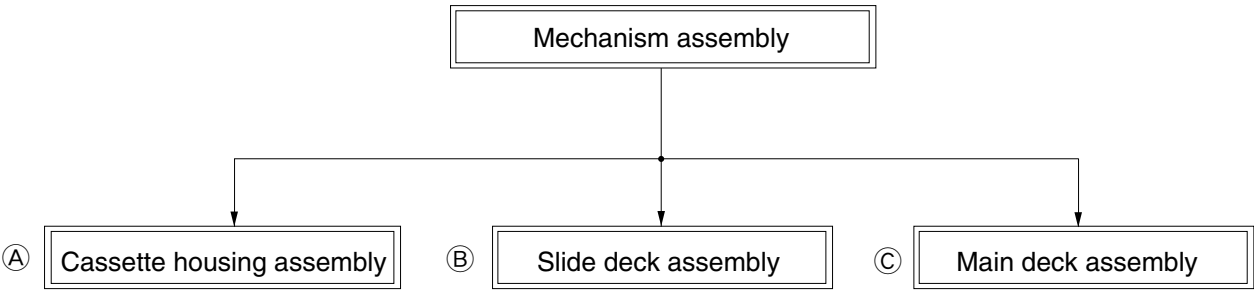


Fig. 2-4-1

2. Procedures for disassembly

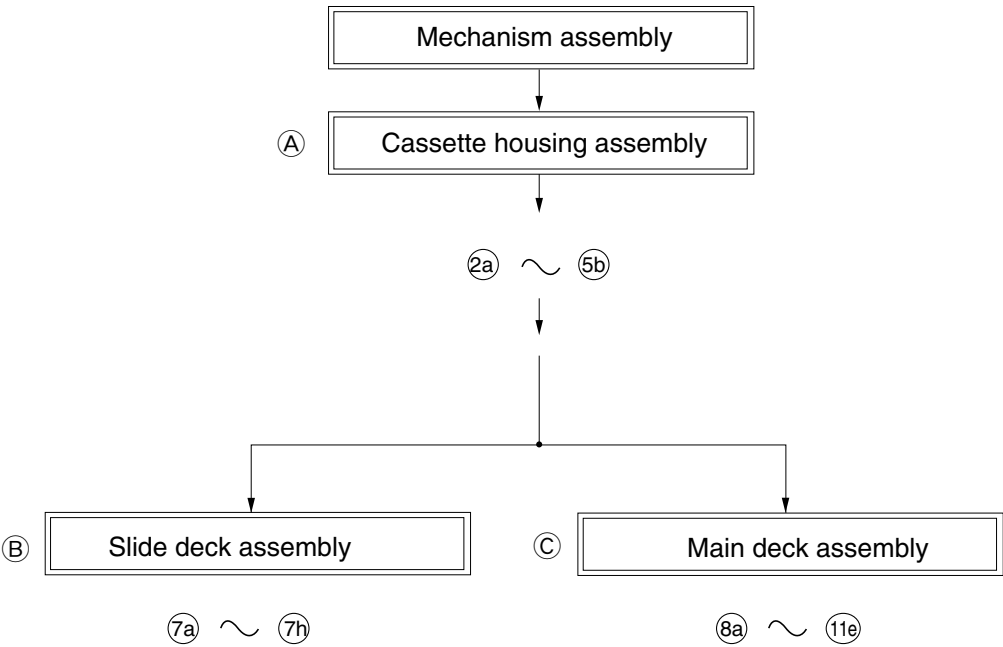


Fig. 2-4-2

3. Disassembling procedure table

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
Ⓐ	Cassette housing assembly	T	Fig. 2-4-5	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
②a	Reel disk (SUP) assembly	T	Fig. 2-4-6	(W2)	2a, 2b	
②b	Reel disk (TU) assembly	T		(W2)	2a, 2b	
②c	Reel cover assembly	T		(S2b),2(S2a),(W2)	2d	
③a	Tension arm assembly	T	Fig. 2-4-7	(W3a)	3b	
③b	Release guide assembly	T		-	3a	
③c	Idler arm assembly	T		(W3b)	-	
③d	Guide arm assembly	T		-	3a	
③e	Pinch roller arm assembly	T		(W3a)	-	
④a	Cleaner arm assembly	T	Fig. 2-4-8	(L4a)	4a	
④b	Slant pole arm assembly	T		(W4),(L4b),(P4a),(P4b)	4b	
④c	Drum assembly	T		3(S4)	-	
⑤a	Guide roller (S) assembly	T	Fig. 2-4-9	(P5)	5a	
⑤b	Rail assembly	T		3(W5a), (W5b)	5b, 5c	
Ⓑ	Slide deck assembly / Ⓒ Main deck assembly	T	Fig. 2-4-10	(W6),(L6a)-(L6d)	6a, 6b	(Adjustment)
Ⓑ	Slide deck assembly					
⑦a	Loading brake assembly	T	Fig. 2-4-11	(W7),(L7a),(P7a)	7e	Adjustment
⑦b	Guide pin (SUPPLY)	T		(S7a)	-	
⑦c	Pad arm assembly	T		(W7),(L7b),(P7b)	7d	
⑦d	Slide guide plate assembly	T		(S7b)	7c	Adjustment
⑦e	Collar	T		-	7a	
⑦f	Collar	T		-	7a	
⑦g	Sub brake assembly	T		(W7),(L7c),(P7c)	7b	
⑦h	Control plate assembly	T		2(W7),(L7d),(P7d)	7b	
Ⓒ	Main deck assembly					
⑧a	Tension lever assembly	T	Fig. 2-4-12	-	8c	
⑧b	Slide lever assembly	T		-	8b	
⑧c	Brake control lever assembly	T		-	8a	
⑨a	Loading guide	T	Fig. 2-4-13	(S9)	-	
⑨b	Timing belt	T		-	9b	
⑨c	Center gear assembly	T		-	-	
⑨d	Motor bracket assembly	T		2(S9)	9a	
⑨e	Worm wheel	T		(W9)	-	(Phase adjustment)
⑨f	Gear holder	T		(S9)	-	
⑩a	Main cam gear	T	Fig. 2-4-14	(S10)	10b	Phase adjustment
⑩b	Brake control plate	T		(L10)	10b	Phase adjustment
⑩c	Rotary encoder	T		(S10),(W10a)	10a	Phase adjustment
⑩d	Connect gear	T		(W10a)	-	(Phase adjustment)
⑩e	Reel drive pulley assembly	T		(W10b)	-	
⑪a	Catcher (T) assembly	T	Fig. 2-4-15	2(S11)	-	
⑪b	Capstan motor	T		2(S11)	-	
⑪c	Charge arm assembly	T		(W11)	11	
⑪d	Sub cam gear	T		(S11)	-	Phase adjustment
⑪e	PWB holder	B		2(S11)	-	

Table 2-4-1

< TOP VIEW >

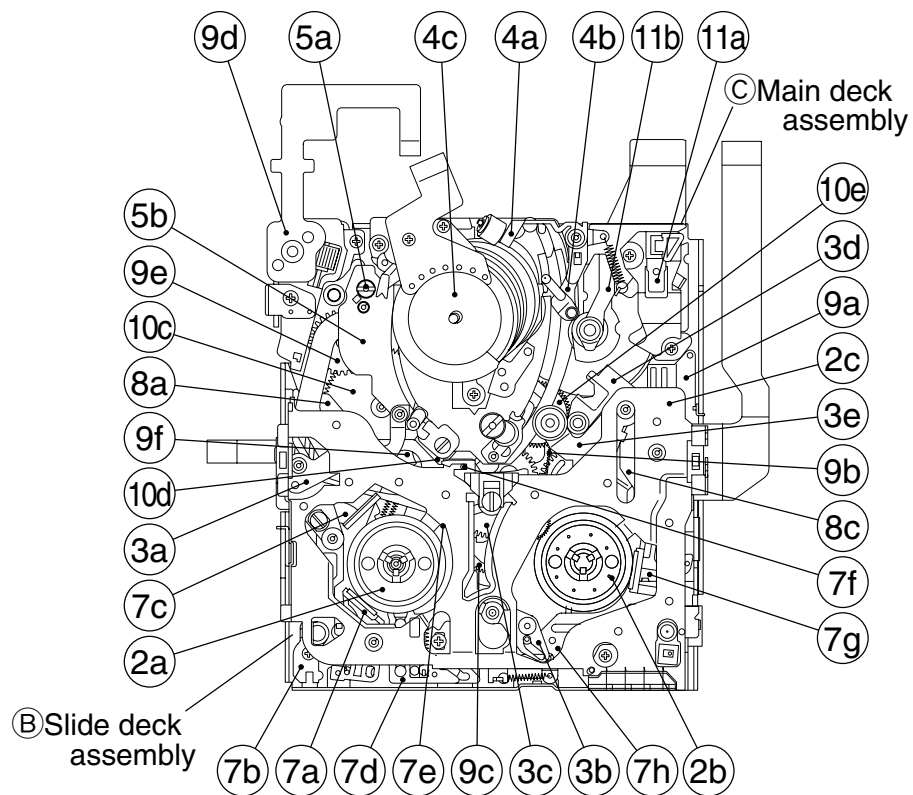


Fig. 2-4-3

< BOTTOM VIEW >

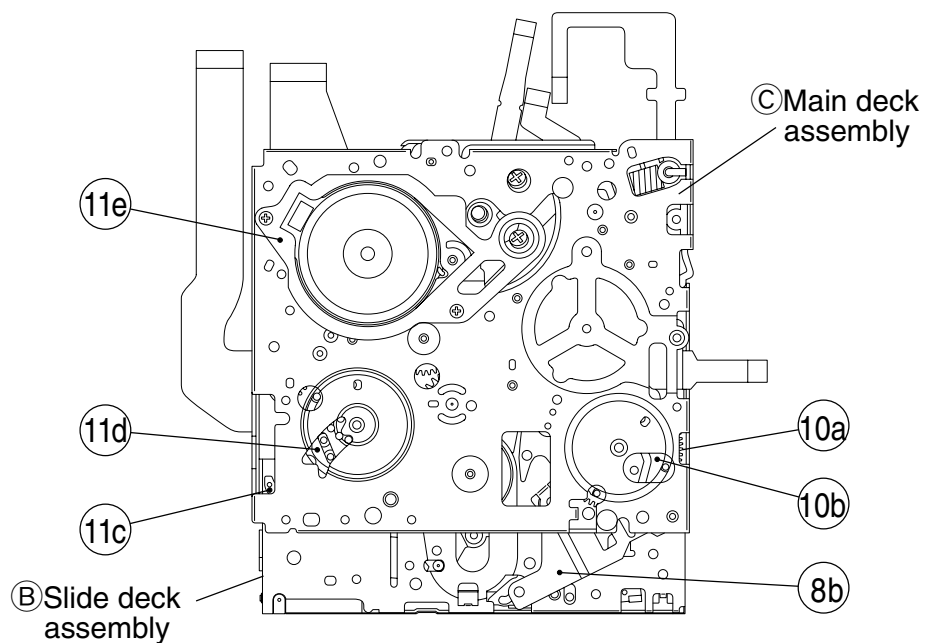


Fig. 2-4-4

2.4.2 Disassembly/assembly

1. ① Cassette housing assembly

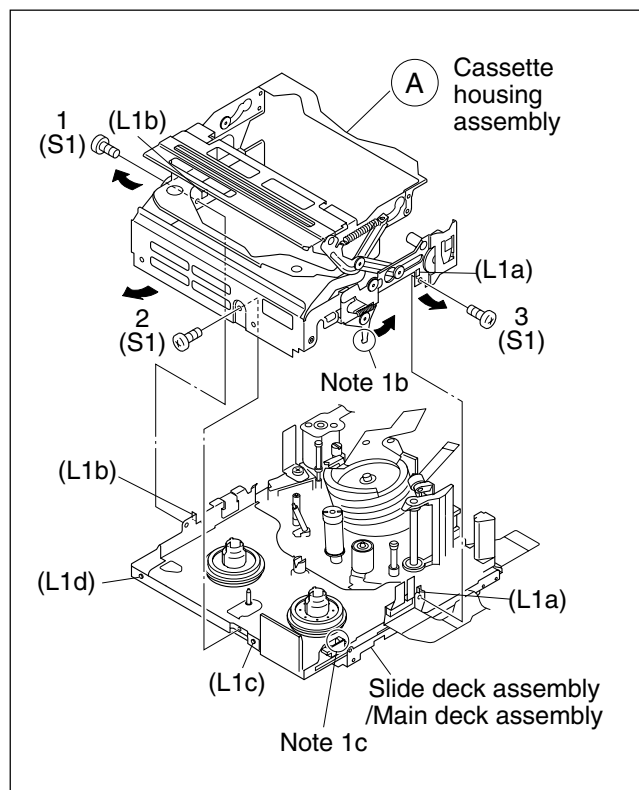


Fig. 2-4-5

2. ②a Reel disk (SUP) assembly

②b Reel disk (TU) assembly

②c Reel cover assembly

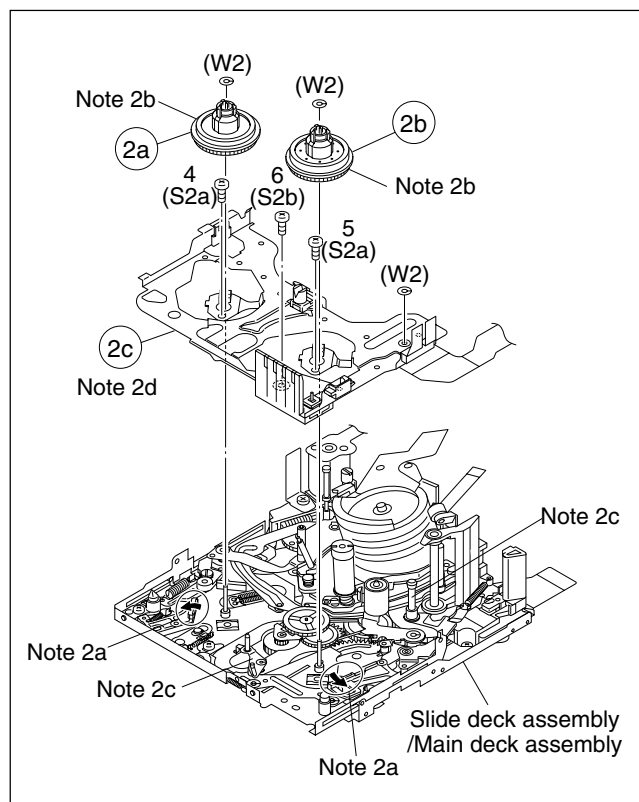
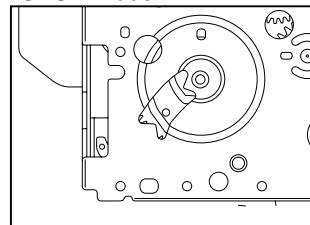
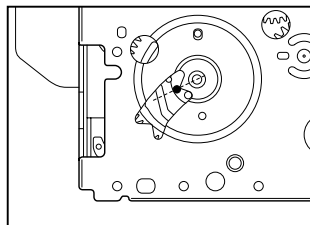


Fig. 2-4-6

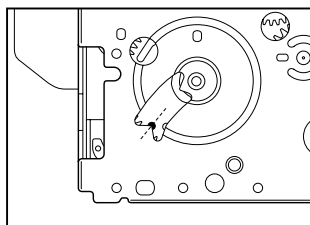
<STOP mode>



<EJECT mode>



<PLAY mode>



Note 1a:

Shift the mechanism mode from the STOP mode to the EJECT mode.

Note 1b:

Reassemble the cassette housing assembly to the mechanism as the cancel lever is moved in the direction of the arrow.

Note 1c:

When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.

Note 1d:

After reassembling the component parts, check the mechanism operation in the PLAY mode.

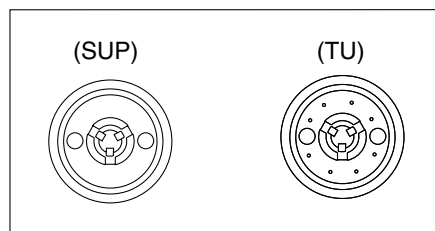
For details of checking method, refer to "2.6.1 assembling slide deck assembly and main deck assembly".

Note 2a:

When removing the reel disk assembly, be careful not to break the brake pad which applies lateral pressure to the reel disk.

Note 2b:

Be careful not to make a mistake in installing the reel disk. The SUP reel disk and TU reel disk can be distinguished from each other by the appearance as shown below.



Note 2c:

When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.

Note 2d:

When fitting the reel cover assembly to the set, carefully tighten the screw with the specified tightening torque of 0.069N·m (0.7kgf·cm).

3. (3a) Tension arm assembly/ (3b) Release guide assembly
 (3b) Idler arm assembly/ (3d) Guide arm assembly
 (3c) Pinch roller arm assembly

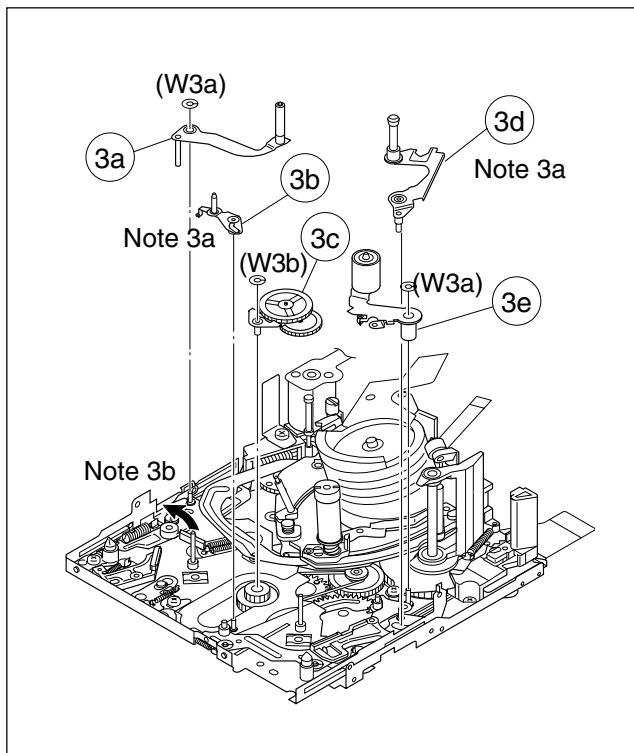


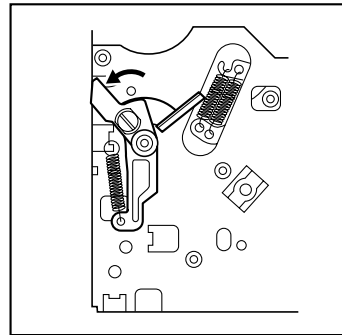
Fig. 2-4-7

Note 3a:

When removing the reel cover assembly, pay heed to release guide assembly and guide arm assembly. For, the guide arm assembly is just inserted into the slide deck assembly from the upside and it is apt to come off after the reel cover assembly is removed.

Note 3b:

Reassemble the tension arm assembly to the mechanism as the pad arm assembly is moved to the extent in the direction of the arrow.



4. (4a) Cleaner arm assembly/ (4b) Slant pole arm assembly
 (4b) Drum assembly

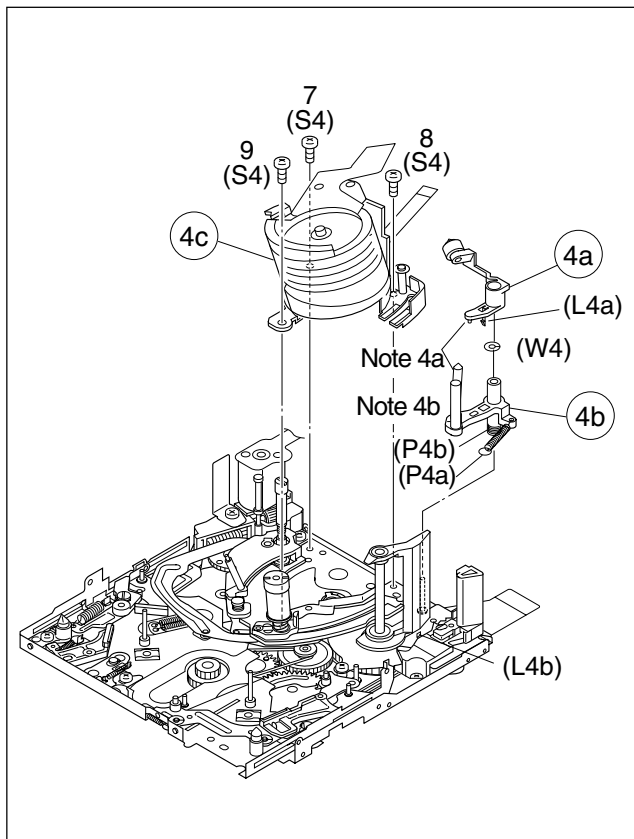


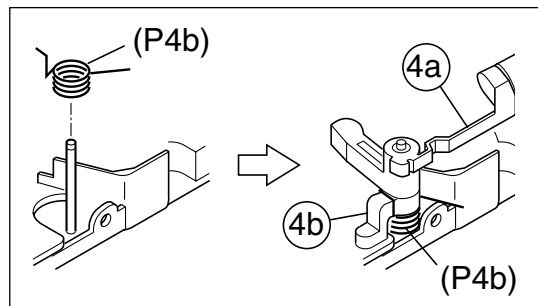
Fig. 2-4-8

Note 4a:

When removing the cleaner arm assembly, it is recommended to remove the slant pole arm assembly together with it except the case of a single unit replacement, because the hook (L4a) is hard to disengage.

Note 4b:

How to set the coil spring (P4b).



5. ⑤a Guide roller (SUPPLY) assembly/ ⑤b Rail assembly

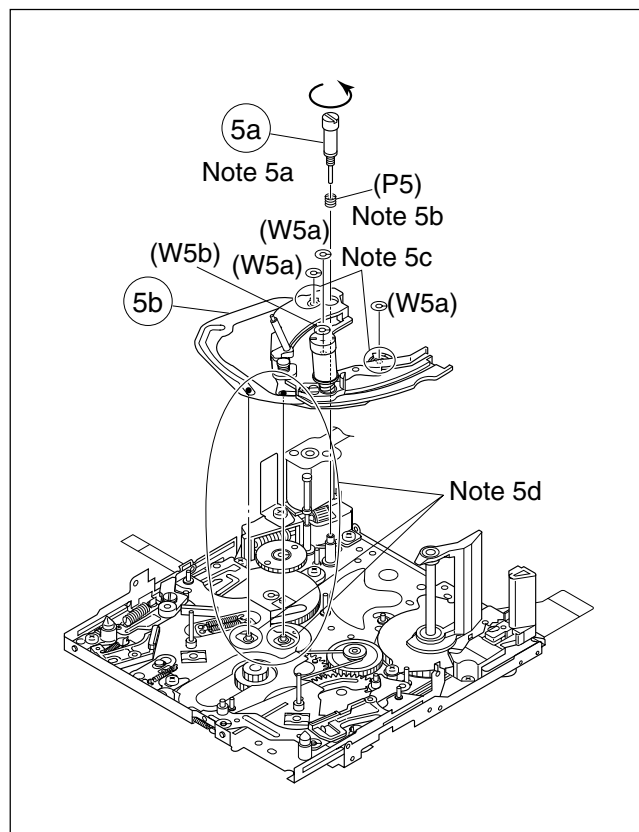
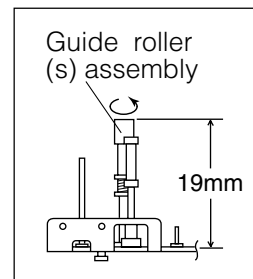


Fig. 2-4-9

Note 5a:

When reassembling, insert the tip of the guide roller with the coil spring put on it into the hole on the main deck. Tighten the guide roller by about 6 turns so that the height of the guide roller assembly is 19 mm or so as shown in the figure.



Note 5b:

Pay careful attention to the spring not to lose it.

Note 5c:

Pay careful attention to the engagement of the rail assembly's arm ends because they easily come off the engagement. Moreover, make sure that there is neither deformation nor damage observed in them.

Note 5d:

When removing the rail assembly, check to see if the collar is securely set in the arm groove.

6. ⑥ Slide deck assembly/ ⑦ Main deck assembly

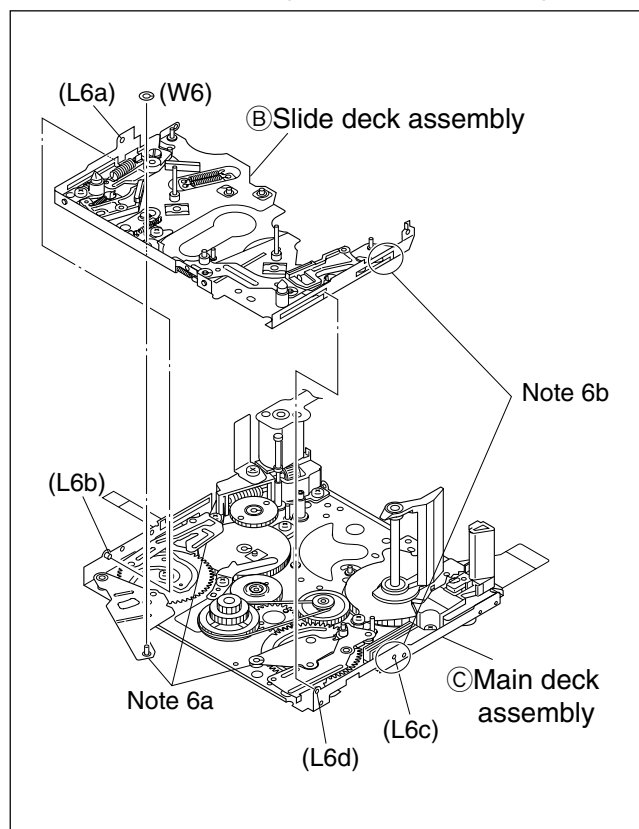


Fig. 2-4-10

Note 6a:

When removing the slide deck assembly, pay heed to the three components of the following because they are apt to come off after the slide deck assembly is removed.

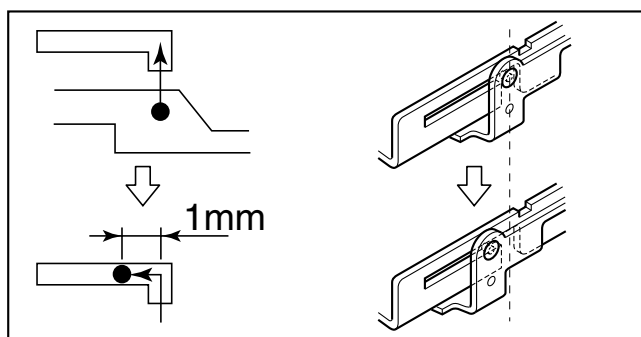
⑧a Tension lever assembly/ ⑧b Slide lever assembly

⑧c Brake control lever assembly

For reassembling those components, refer to Fig. 2-4-12.

Note 6b:

When reassembling the slide deck assembly to the main deck assembly, combine them with each other by the side grooves and then slide the slide deck assembly by 1 mm or so.



7. ⑦a Loading brake assembly/ ⑦b Guide pin (S)
 ⑦c Pad arm assembly/ ⑦d Slide guide plate assembly
 ⑦e Collar/ ⑦f Collar/ ⑦g Sub brake assembly
 ⑦h Control plate assembly

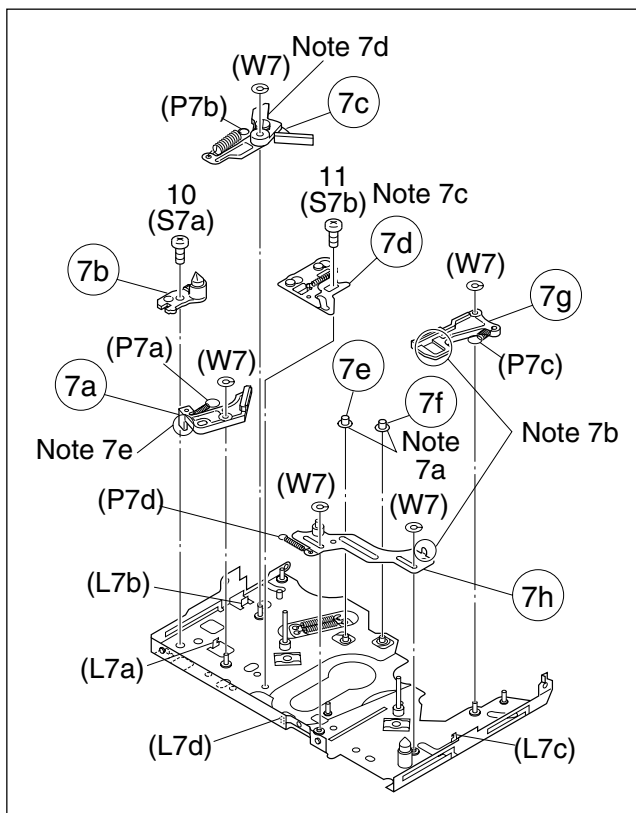


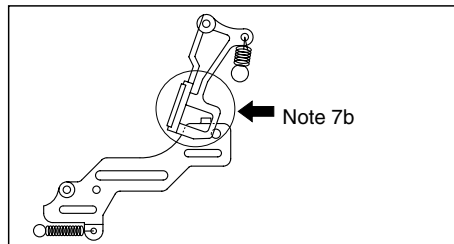
Fig. 2-4-11

Note 7a:

Don't remove these parts unreasonably. If they are removed for some reason, be very careful not to lose them.

Note 7b:

When reinstalling the sub brake assembly, set the control plate assembly so that its hook is set in the □ part of the sub brake assembly.



Note 7c:

Since the slide guide plate assembly controls the slide deck assembly so that it exactly slides the main deck assembly, it must exactly be assembled in the PLAY mode. Therefore, temporarily fix the slide guide plate assembly in this stage. For details of reassembling procedure, refer to "2.6.1 Assembling slide deck assembly and main deck assembly".

Note 7d:

The pad arm assembly controls the tension level of the tension arm assembly. For adjustment of the tension arm assembly, refer to "2.6.2 Locating tension pole".

Note 7e:

When reinstalling the load brake assembly, slightly lift the slide deck assembly upwards because the lower part of the load brake assembly sticks out of the slide deck assembly.

8. ⑧a Tension lever assembly/ ⑧b Slide lever assembly
 ⑧c Brake control lever assembly

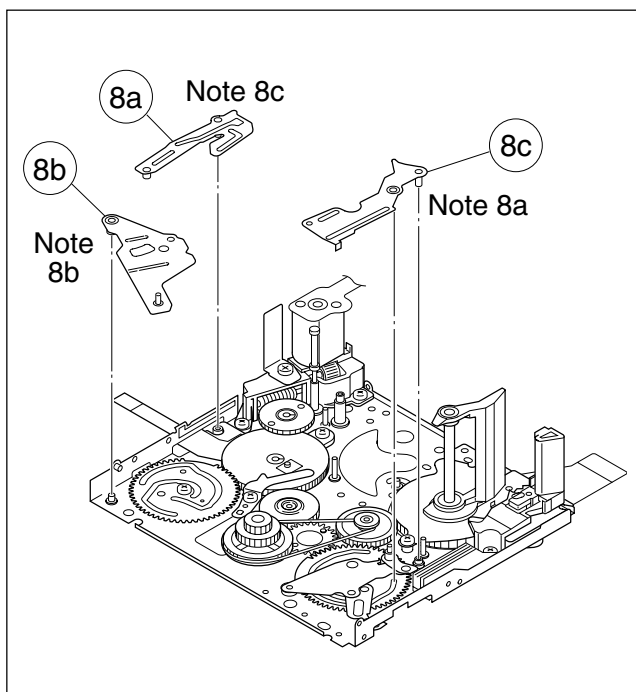
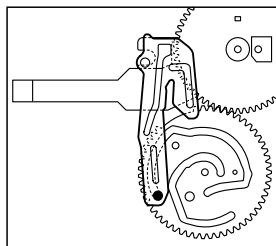


Fig. 2-4-12

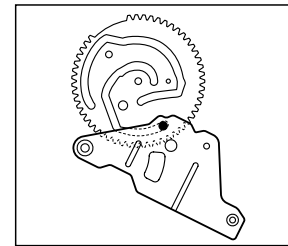
Note 8a, 8b, 8c:

For refitting the respective parts, refer to the following figures

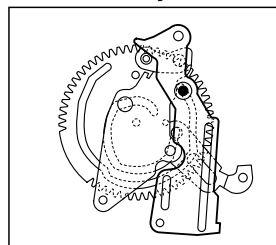
⑧a Tension lever assembly



⑧b Slide lever assembly



⑧c Brake control lever assembly



9. ⑨a Loading guide/ ⑨b Timing belt
 ⑨c Center gear assembly/ ⑨d Motor bracket assembly
 ⑨e Worm wheel/ ⑨f Gear holder

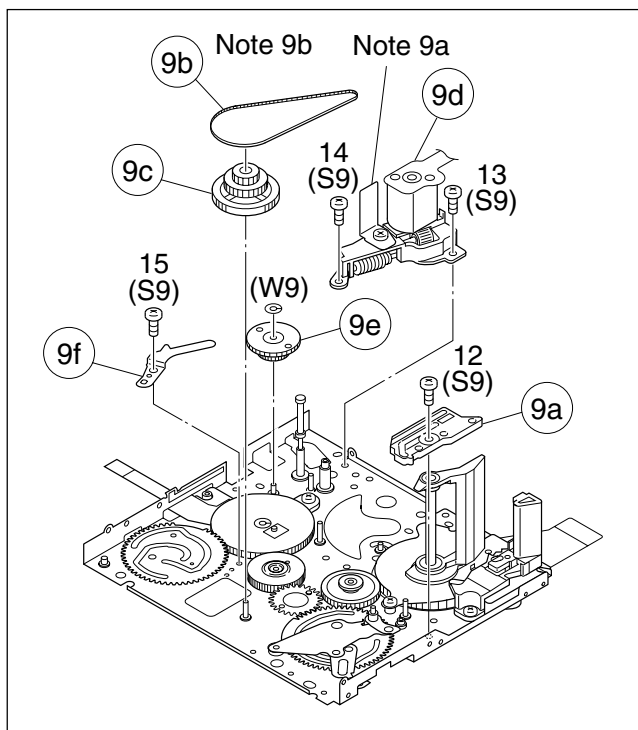


Fig. 2-4-13

Note 9a:

Carefully handle the DEW sensor. (Don't touch the sensor surface in particular.)

Note 9b:

When engaging the timing belt, make sure that it securely engages with the gears of both the center gear assembly and reel drive pulley assembly.

10. ⑩a Main cam gear/ ⑩b Brake control plate
 ⑩c Rotary encoder/ ⑩d Connect gear
 ⑩e Reel drive pulley assembly

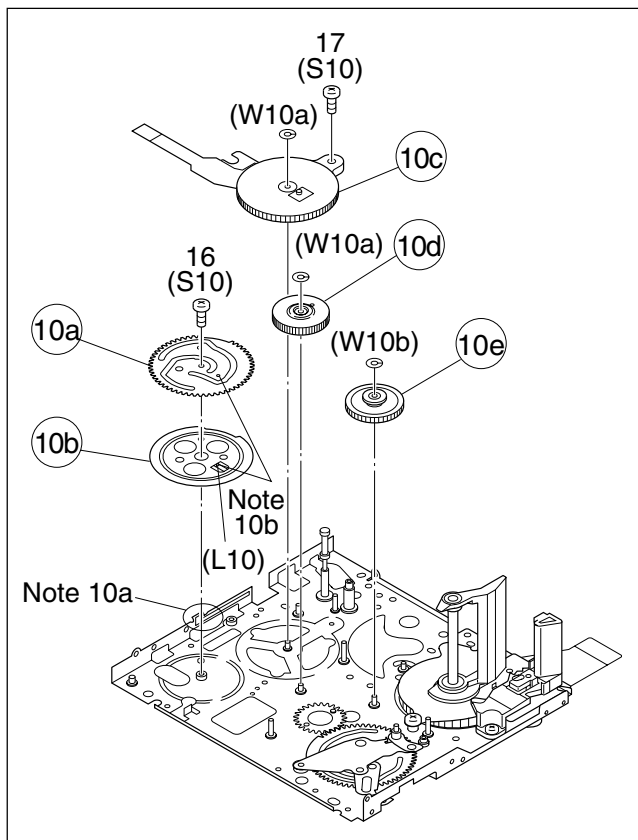


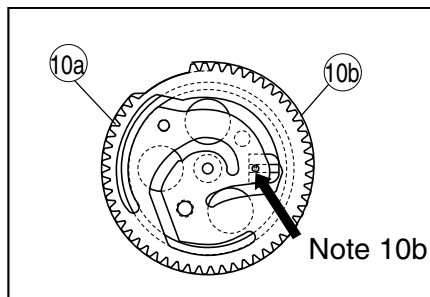
Fig. 2-4-14

Note 10a:

When removing/refitting parts, pay careful attention to the flexible board and so on not to damage them.

Note 10b:

When reinstalling the main cam gear and the brake control plate, first fit them together so that the protrusion on the brake control plate is set in the slot on the main cam gear as shown below, next install the two together to the main deck assembly.



11. (11a) Catcher (T) assembly/ (11b) Capstan motor
 (11c) Charge arm assembly/ (11d) Sub cam gear
 (11e) PWB holder

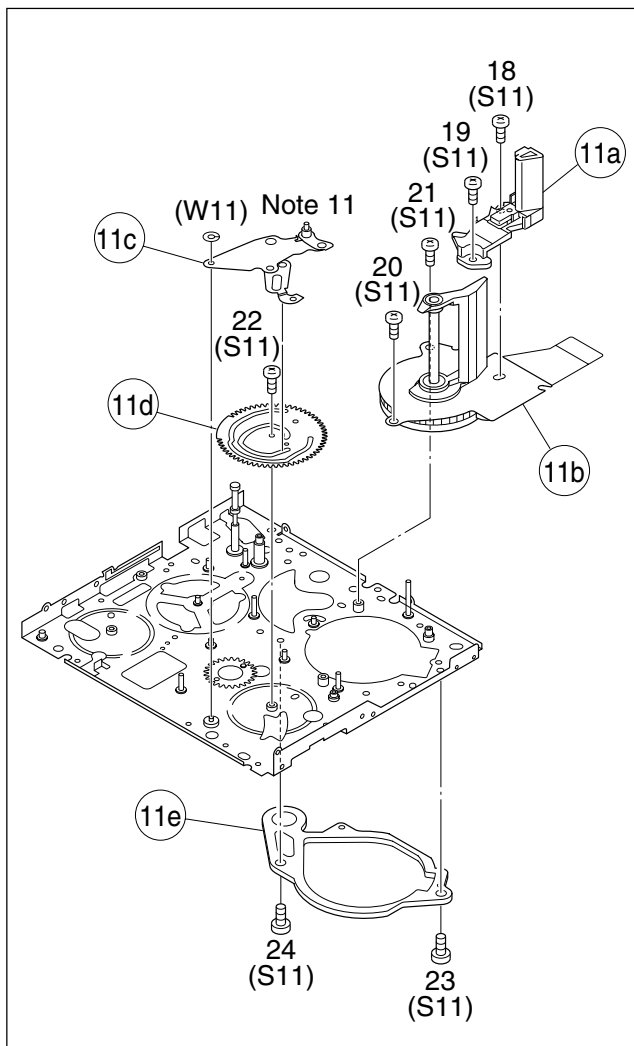
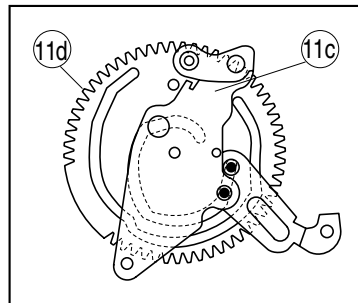


Fig. 2-4-15

Note 11:

The following figure shows how to put the charge arm assembly and sub cam gear assembly together.



[illegible]

2-14

2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE

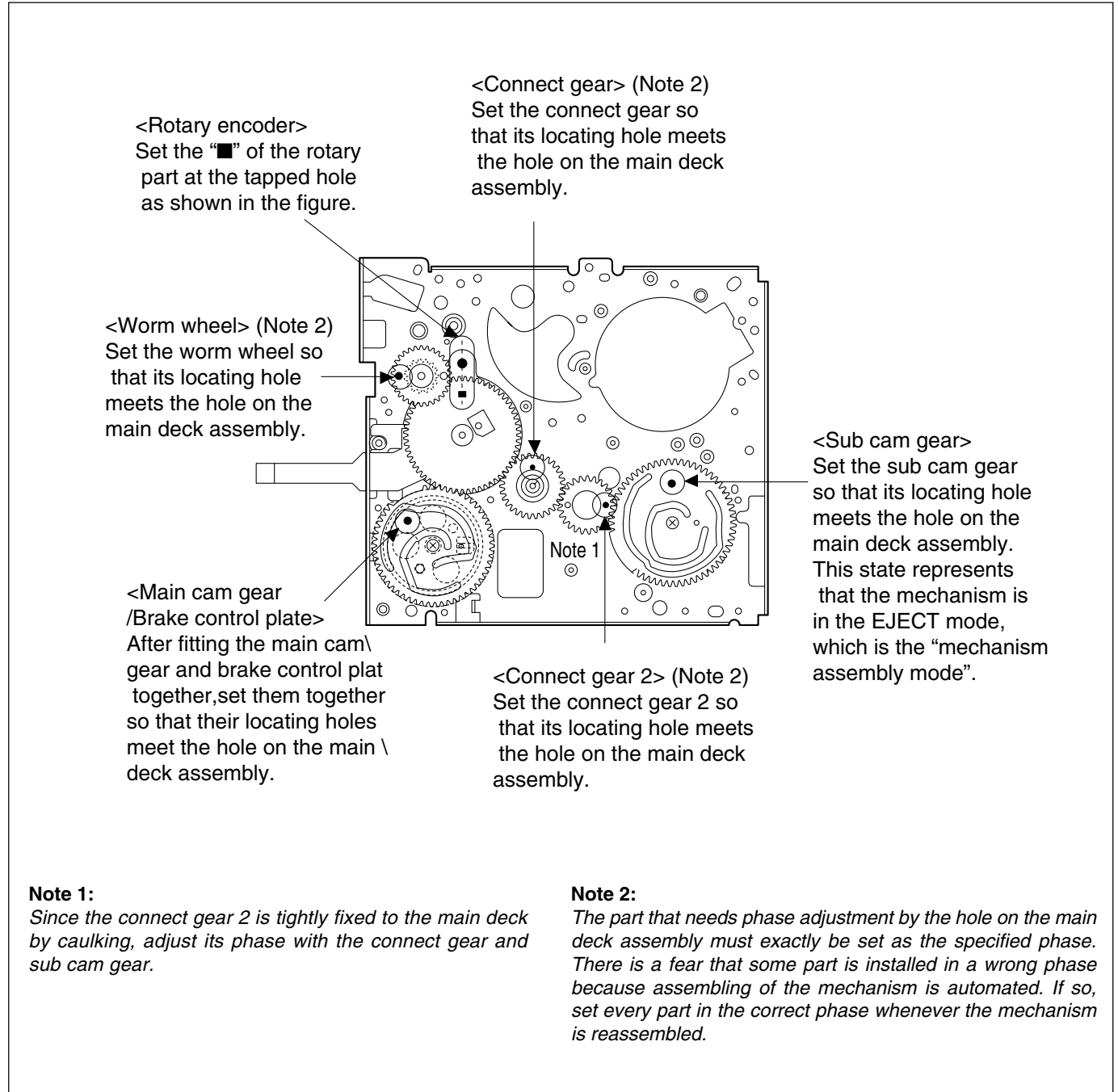


Fig. 2-5-1

2.6 MECHANISM ADJUSTMENTS

2.6.1 Assembling slide deck assembly and main deck assembly

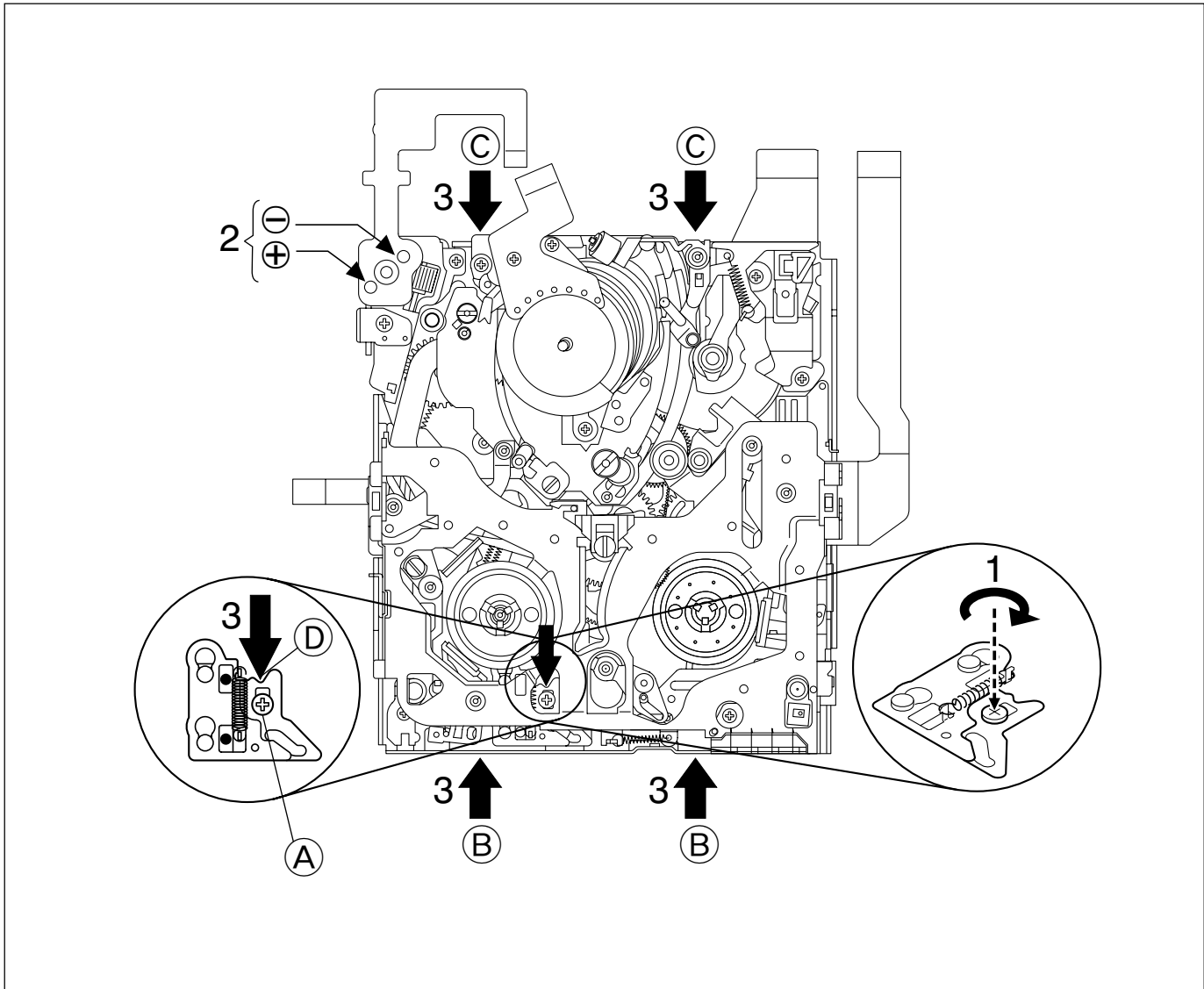


Fig. 2-6-1

Assembling procedure

1. Loosen the screw (A).
2. Set the mechanism in the PLAY mode.
(Refer to "2.3.2 Explanation of mechanism mode".)
3. Press the end face B of the slide deck assembly (reel disk side) and the end face C of the main deck assembly (drum assembly side) with uniform force so that the two assemblies are tightly pressed to each other. Furthermore, press the part (D) and tighten the screw (A).

Note : Tightening torque for screw (A): 0.069 N·m (0.7 kgf·cm)

2.6.2 Locating tension pole

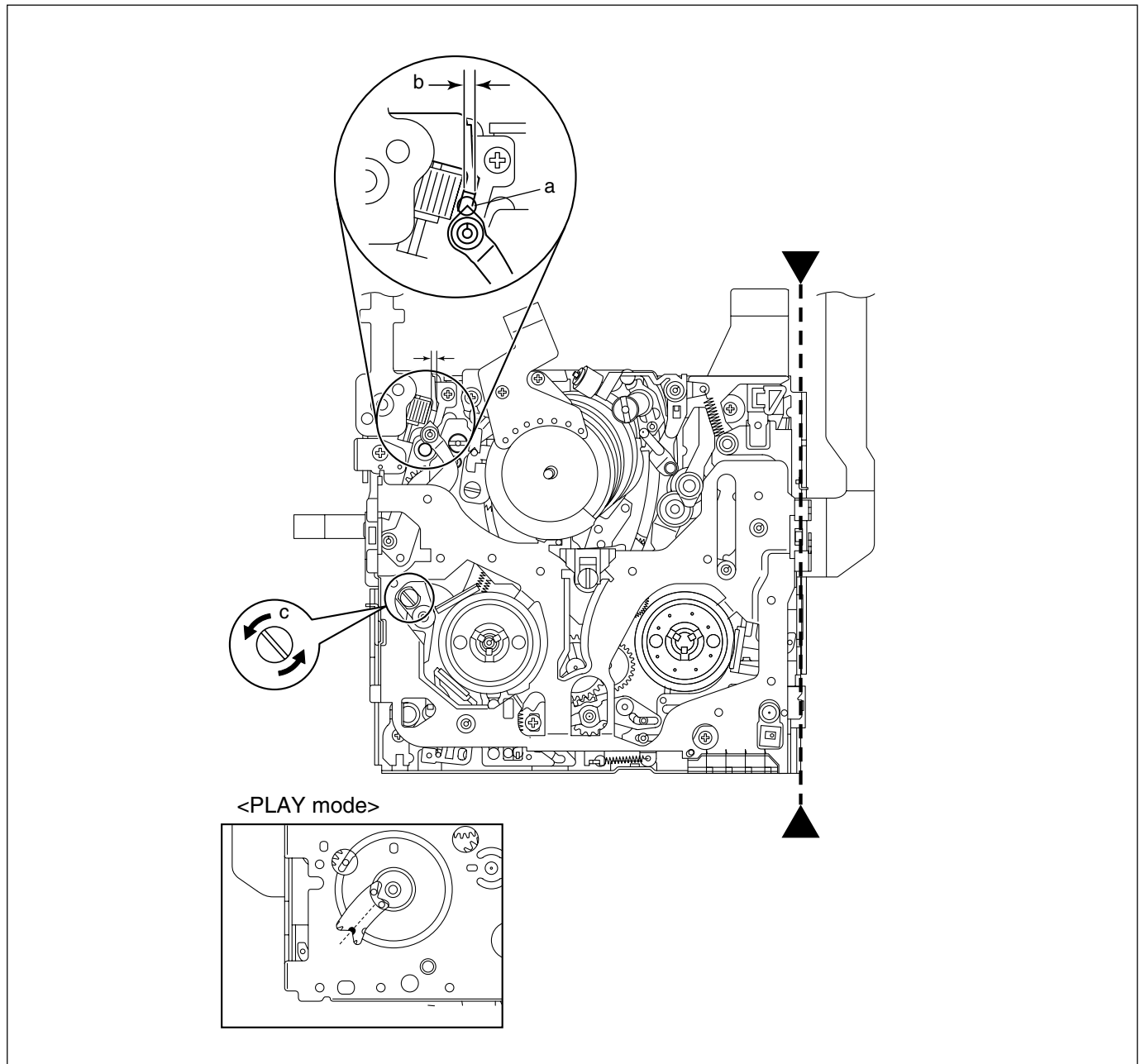


Fig. 2-6-2

Locating procedure

1. Enter the mechanism assembly into the PLAY mode.
(Refer to "2.3.2 Explanation of mechanism mode".)
2. When the "▶-----◀" part is positioned down, make sure that the part "a" of the tension arm assembly is located within the range of "b".
3. If the part "a" is out of the range, turn the pin "c" to adjust the position.

2.7 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

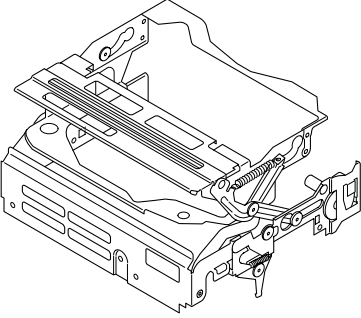
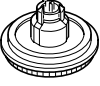
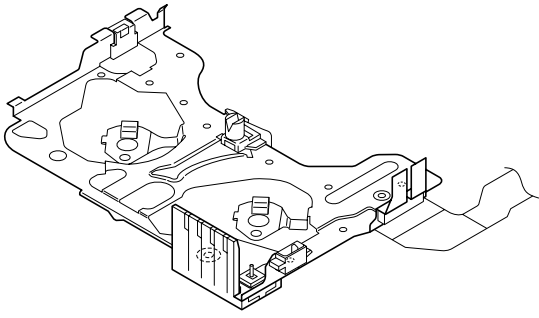
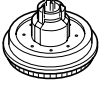
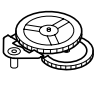
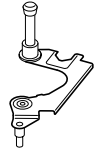
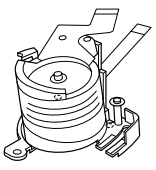
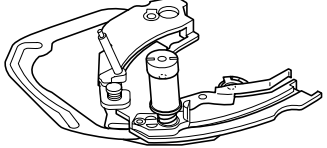
1	Ⓐ Cassette housing assembly  S1×3			
2	2a Reel disk (SUP) assembly  W2×1	2c Reel cover assembly  S2a×2 S2b×1 W2×1		
	2b Reel disk (TU) assembly  W2×1			
3	3a Tension arm assembly  W3a×1	3b Release guide assembly  W3b×1	3c Idler arm assembly  W3b×1	3d Guide arm assembly  W3a×1
4	4a Cleaner arm assembly  W4×1 P4a×1 P4b×1	4c Drum assembly  S4×3		
	5a Guide roller (S) assembly  P5×1	5b Rail assembly  W5a×3 W5b×1		

Table 2-7-1a

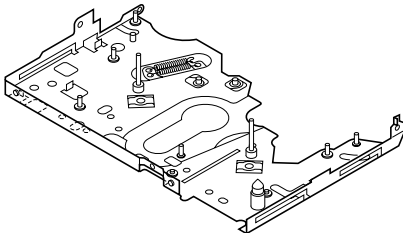
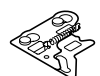
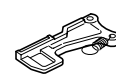
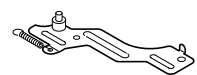
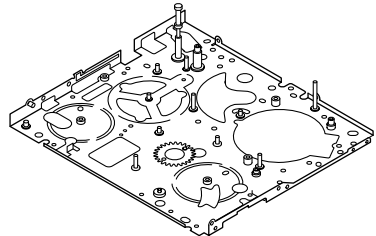
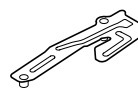
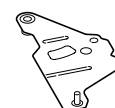
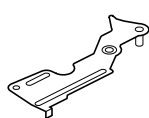
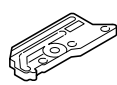
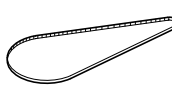
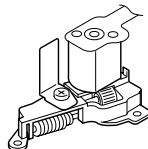
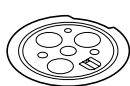
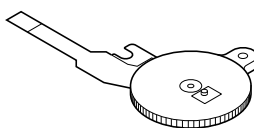
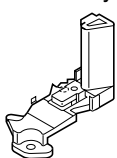
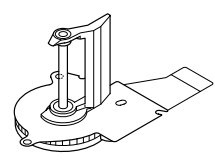
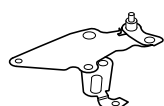
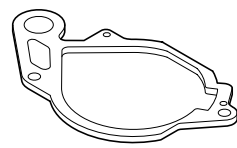
6	⑥ Slide deck assembly		W6×1	7a	Loading brake assembly		W7×1	P7a×1	7b	Guide pin (SUPPLY)		S7a×1	7c	Pad arm assembly		W7×1	P7b×1	7d	Slide guide plate assembly		S7b×1	W7×1
				7e	Collar		W7×1	P7c×1	7f	Collar		W7×1	P7c×1	7g	Sub brake assembly		W7×1	P7c×1	7h	Control plate assembly		W7×2
8	⑧ Main deck assembly		8a	Tension lever assembly			8b	Slide lever assembly			8c	Brake control lever assembly										
9	9a	Loading guide		S9×1	9b	Timing belt		9c	Center gear assembly		9d	Motor bracket assembly		S9×2	9e	Worm wheel		W9×1	9f	Gear holder		S9×1
	10a	Main cam gear		S10×1	10b	Brake control plate		10c	Rotary encoder		S10×1	W10a×1	10d	Connect gear		W10a×1	10e	Reel drive pulley assembly		W10b×1		
11	11a	Catcher (T) assembly		S11×2	11b	Capstan motor		S11×2	11c	Charge arm assembly		W11×1	11d	Sub cam gear		S11×1	11e	PWB holder		S11×2		

Table 2-7-1b

2.8 JIG CONNECTOR CABLE CONNECTION

Remove one screw (1) first and the cover (JIG) next.

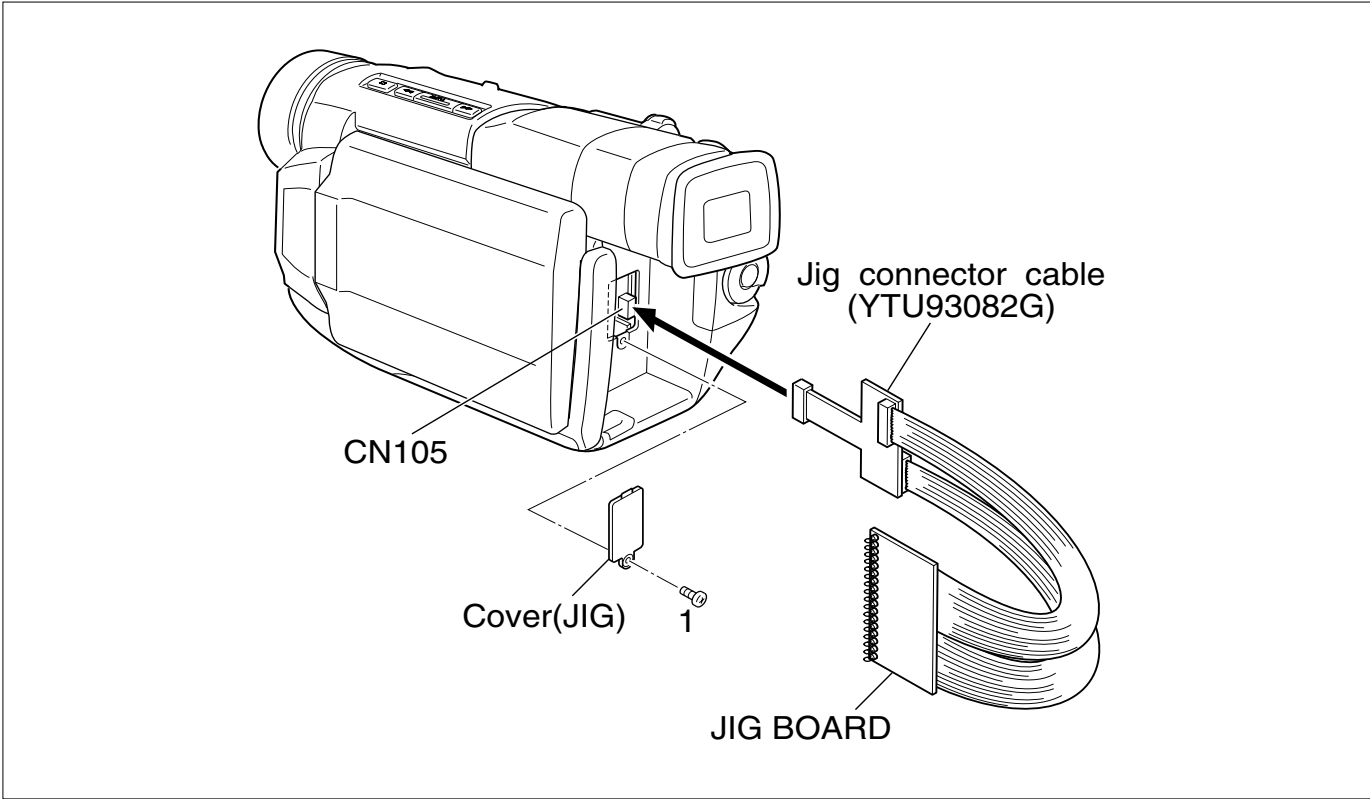


Fig. 2-8-1 Jig connector cable connection

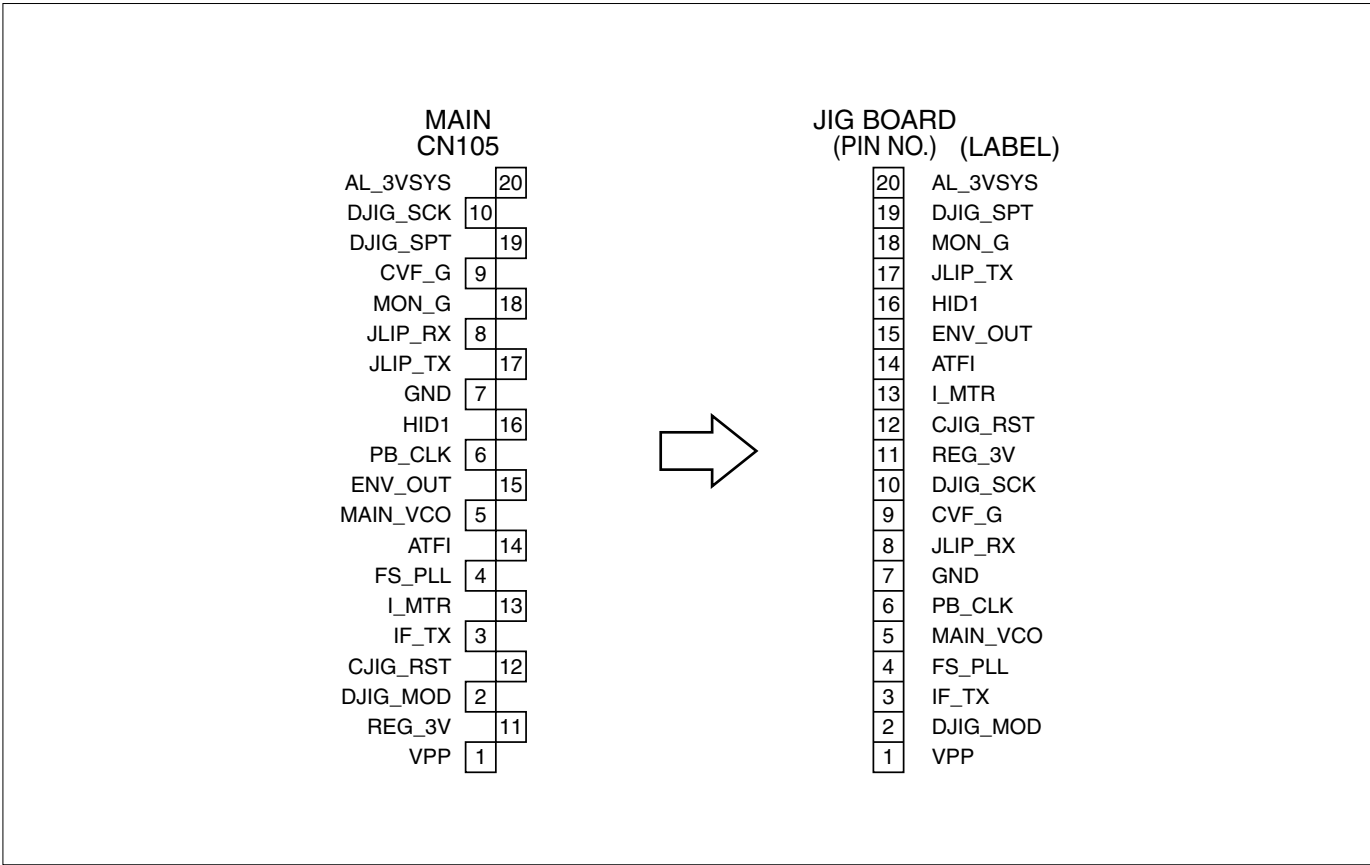


Fig. 2-8-2 Jig connector cable schematic diagram

SECTION 3 ELECTRICAL ADJUSTMENT

3.1 PRECAUTION

1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E²PROM (IC1003 of MAIN board)
- MONITOR
- E²PROM (IC7603 of MONITOR board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments must be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

2. Required test equipment

1. Color TV monitor.
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : It is recommended to use one observable 300 MHz or higher frequency.

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3. Tools required for adjustments

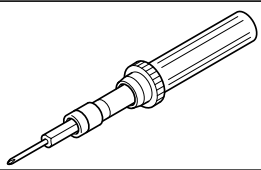
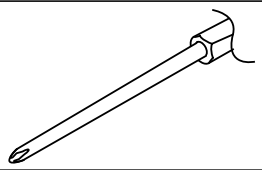
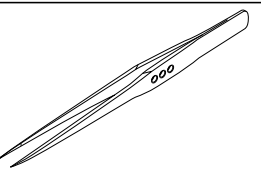
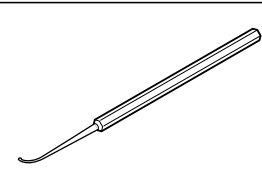
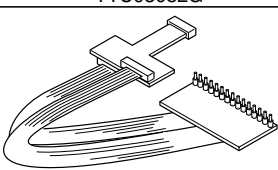
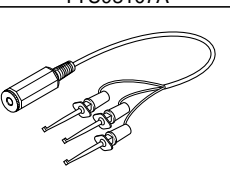
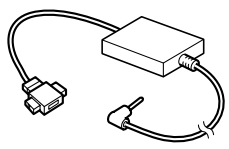
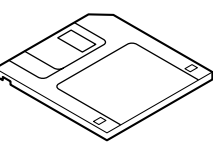
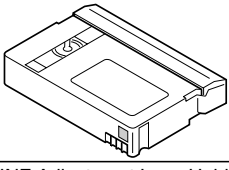
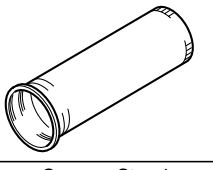
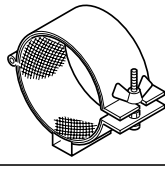
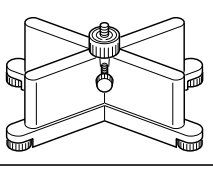
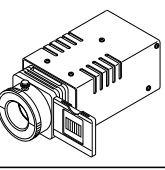
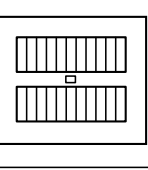
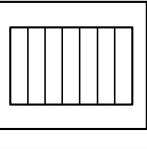
1	Torque Driver YTU94088	2	Bit YTU94088-003
			
3	Tweezers P-895	4	Chip IC Replacement Jig PTS40844-2
			
5	Jig Connector Cable YTU93082G	6	Communication Cable YTU93107A
			
7	PC Cable QAM0099-002	8	Service Support System YTU94057-52
			
9	Alignment Tape MC-2	10	INF Adjustment Lens YTU92001B
			
11	INF Adjustment Lens Holder YTU94087	12	Camera Stand YTU93079
			
13	Light box Assembly YTU93096A	14	Gray Scale Chart YTU94133A
			
15	Color Bar Chart YTU94133C		
			

Table 3-1-1

1. Torque driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC replacement jig

To be used for adjustment of the camera system.

5. Jig connector cable

Connected to CN105 of the main board and used for electrical adjustment, etc.

6. Communication Cable

Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

7. PC cable

To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

8. Service support system

To be used for adjustment with a personal computer.

9. Alignment tape

To be used for check and adjustment of interchangeability of the mechanism.

10. INF adjustment lens

To be used for adjustment of the camera system.

11. INF adjustment lens holder

To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.

12. Camera stand

To be used together with the INF adjustment lens holder.

13. Light box assembly

To be used for adjustment of the camera system.

14. Gray scale chart (for Light box assembly)

To be used for adjustment of the camera system.

15. Color bar chart (for Light box assembly)

To be used for adjustment of the camera system.

3.2 SETUP

1. Setup for electrical adjustment with personal computer.

NOTE: Remove one screw (1) first and the cover (JIG) next.

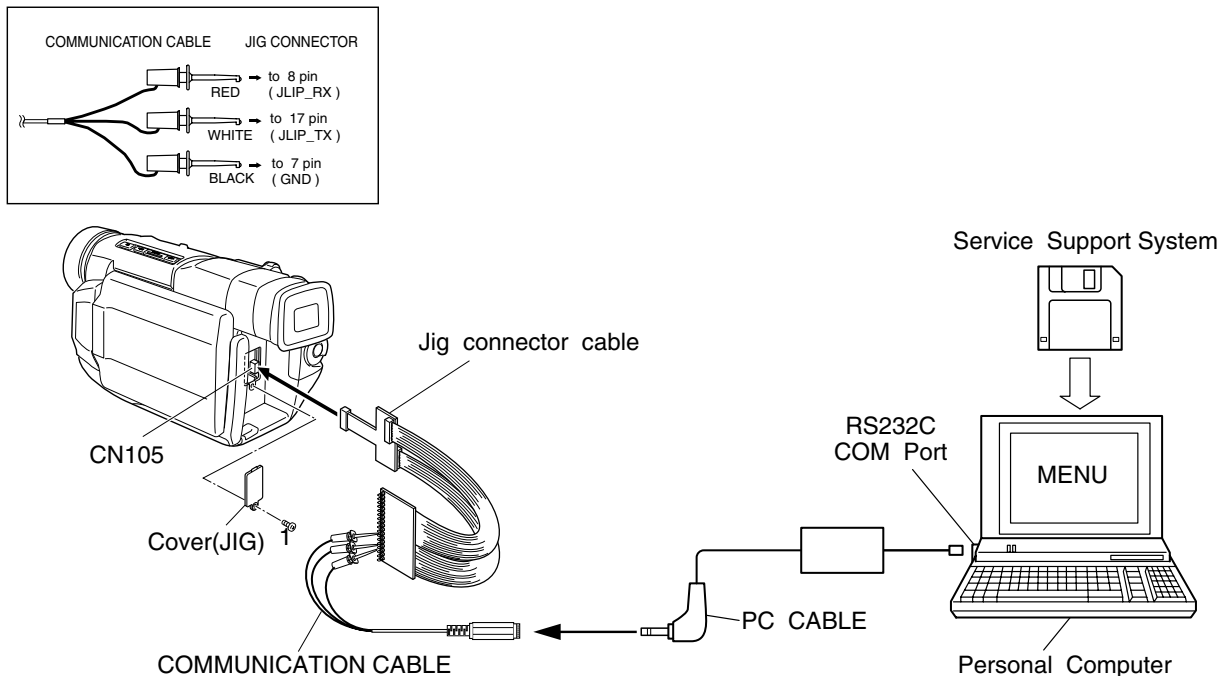


Fig. 3-2-1 Connection for Service support system

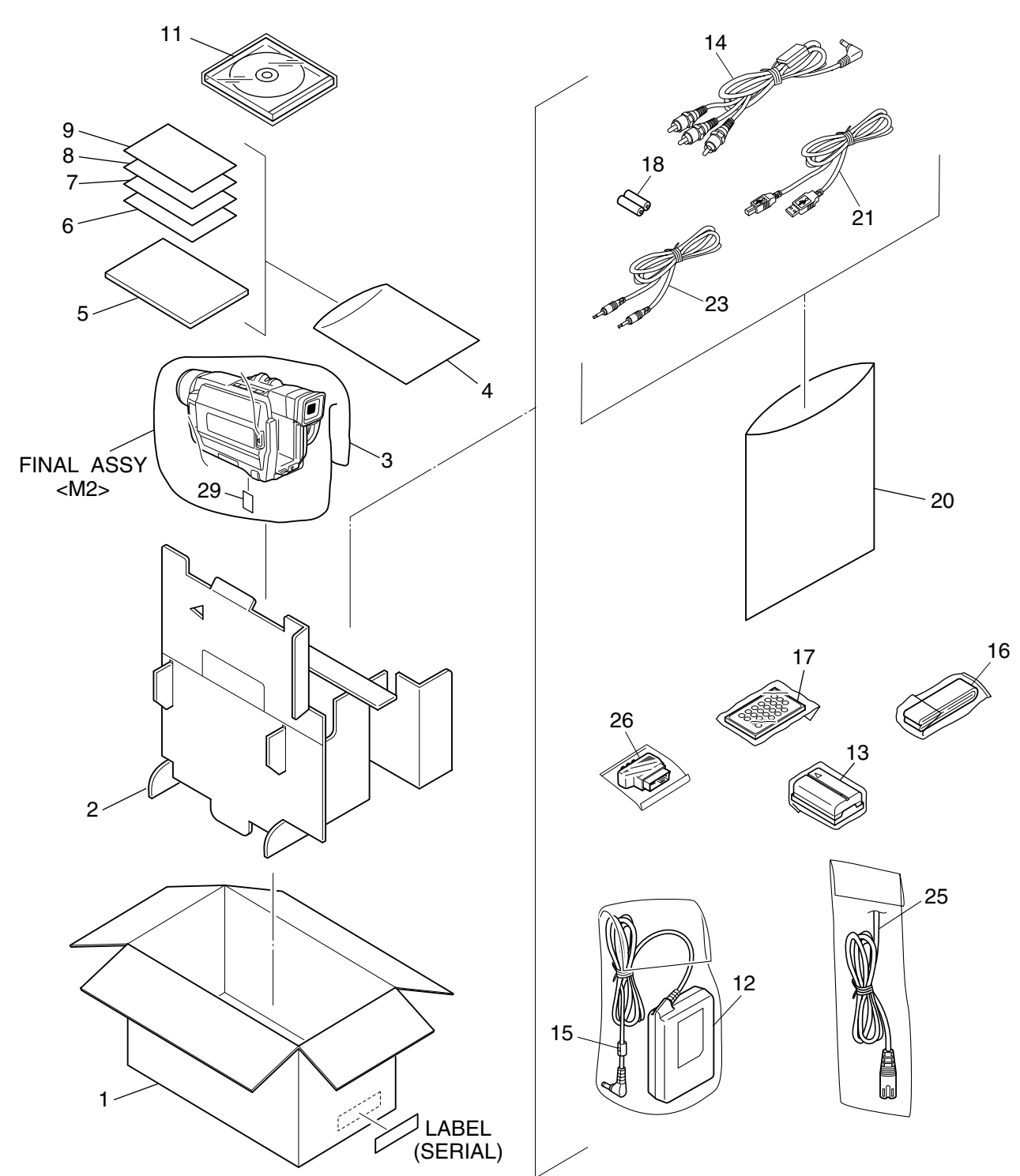
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠ REF No.	PART No.	PART NAME, DESCRIPTION

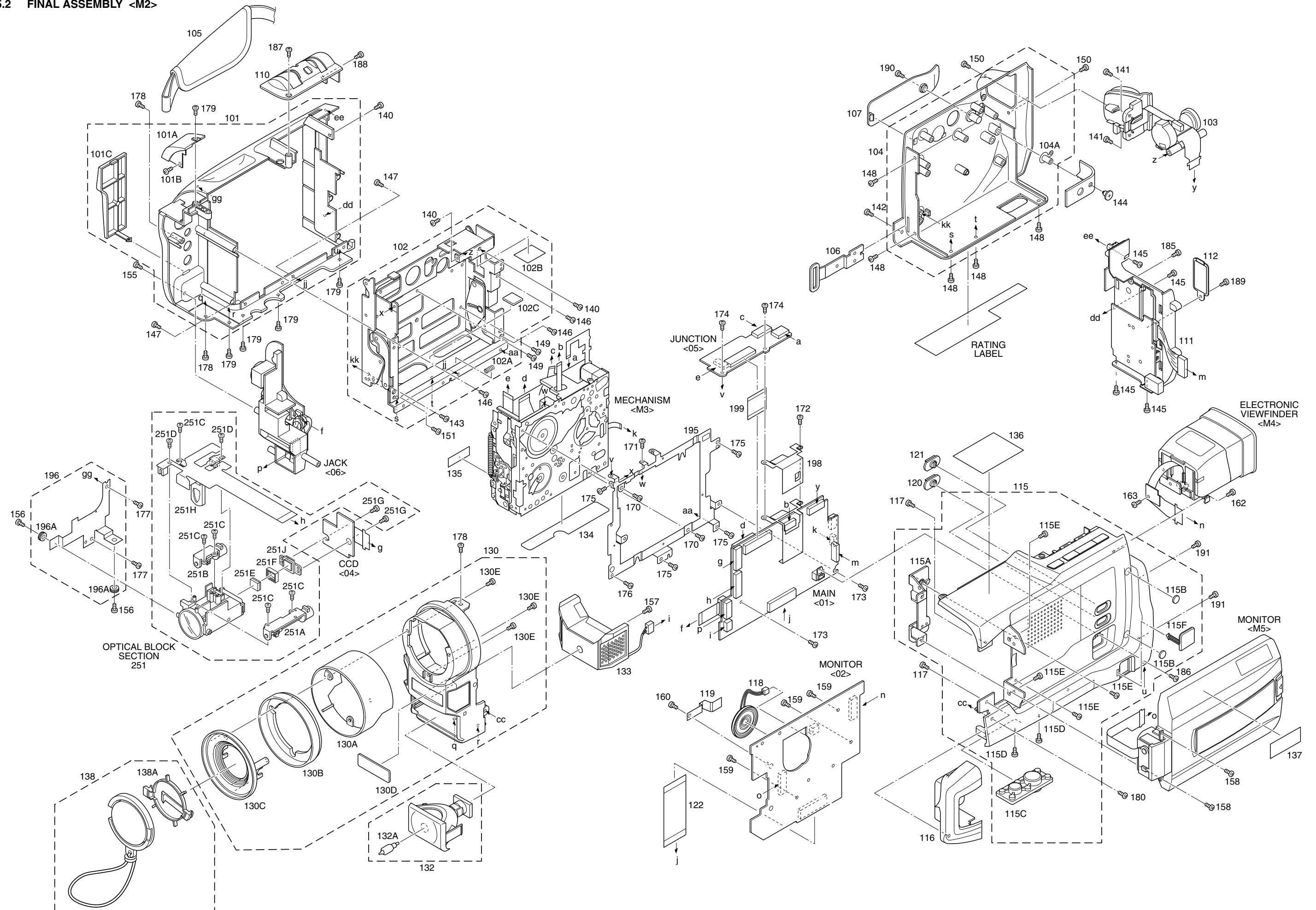
PACKING AND ACCESSORY ASSEMBLY <M1>

1	LY30023-008A	POLY BAG
2	LY32095-005A	PACKING CASE,E,F,G,H
	LY32095-009A	PACKING CASE,A,B,C,D
3	LY32096-001A	CUSHION
4	QPA02003006	POLY BAG,A,C,E,G
	YQM30061-3	POLY BAG,B,D,F,H
⚠ 5	LYT0727-002B	INST.BOOK(GE),A,C,E,G
⚠	LYT0727-003B	INST.BOOK(FR),A,C,E,G
⚠	LYT0727-004A	INST.BOOK(DU),A,C,E,G
⚠	LYT0727-005B	INST.BOOK(SP),A,C,E,G
⚠	LYT0727-006A	INST.BOOK(IT),A,C,E,G
⚠	LYT0727-007A	INST.BOOK(DA),A,C,E,G
⚠	LYT0727-008A	INST.BOOK(FI),A,C,E,G
⚠	LYT0727-009A	INST.BOOK(SW),A,C,E,G
⚠	LYT0727-010A	INST.BOOK(NO),A,C,E,G
⚠	LYT0727-011A	INST.BOOK(RU),C,G
⚠	LYT0727-012A	INST.BOOK(CZ),C,G
⚠	LYT0727-013A	INST.BOOK(PO),C,G
⚠	LYT0727-014A	INST.BOOK(HU),C,G
⚠	LYT0728-001A	INST.BOOK(EN),B,D,F,H
⚠ 6	LYT0734-001A	INST.BOOK(SOFT.EN),B,D,F,H
⚠	LYT0767-001A	INST.BOOK(SOFT.5LANG),A,C,E,G
⚠	LYT0767-002A	INST.BOOK(SOFT.5LANG),A,C,E,G
⚠	LYT0767-003A	INST.BOOK(SOFT.RU),C,G
7	LYT0378-003A	SHEET(AGREMENT)
8	LYT0194-001B	Q.CARD(JUK),B,D,F,H
9	BT-54008-2	GUARANTY CARD,B,D,F,H
	BT-54013-2	WARRANTY CARD,A,C,E,G
11	LY32210-003A	CD ROM
⚠ 12	LY20688-013A	AC ADAPTER,AP-V10EG
⚠ 13	LY31587-001A	BATTERY PACK,BN-V408U
14	QAM0212-001	CABLE ASSY,AUDIO/VIDEO CABLE
15	QQR0490-002	CORE FILTER
16	LY20186-001A	SHOULDER STRAP
17	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
18	—	BATTERY,AAA(R03),X2
20	QPA01703005	POLY BAG
21	QAM0324-001	USB CABLE
23	PEAC0428-150	CABLE ASSY,EDITING CABLE
⚠ 25	QMPL120-190-JR	POWER CORD,A,C,E,G
⚠	QMPP110-190-JR	POWER CORD,B,D,F,H
26	QAM0302-001	ADAPTOR PLUG,CABLE ADAPTER
29	QAM0262-002	MEMORY CARD

MODEL	MARK
GR-DVL355EG	A
GR-DVL355EK	B
GR-DVL357EG	C
GR-DVL357EK	D
GR-DVL555EG	E
GR-DVL555EK	F
GR-DVL557EG	G
GR-DVL557EK	H

- INSTRUCTIONS
- EN ENGLISH
 - GE GERMAN
 - FR FRENCH
 - DU DUTCH
 - SP SPANISH
 - IT ITALIAN
 - DA DANISH
 - FI FINNISH
 - SW SWEDISH
 - NO NORWEGIAN
 - RU RUSSIAN
 - CZ CZECH
 - PO POLISH
 - HU HUNGARIAN

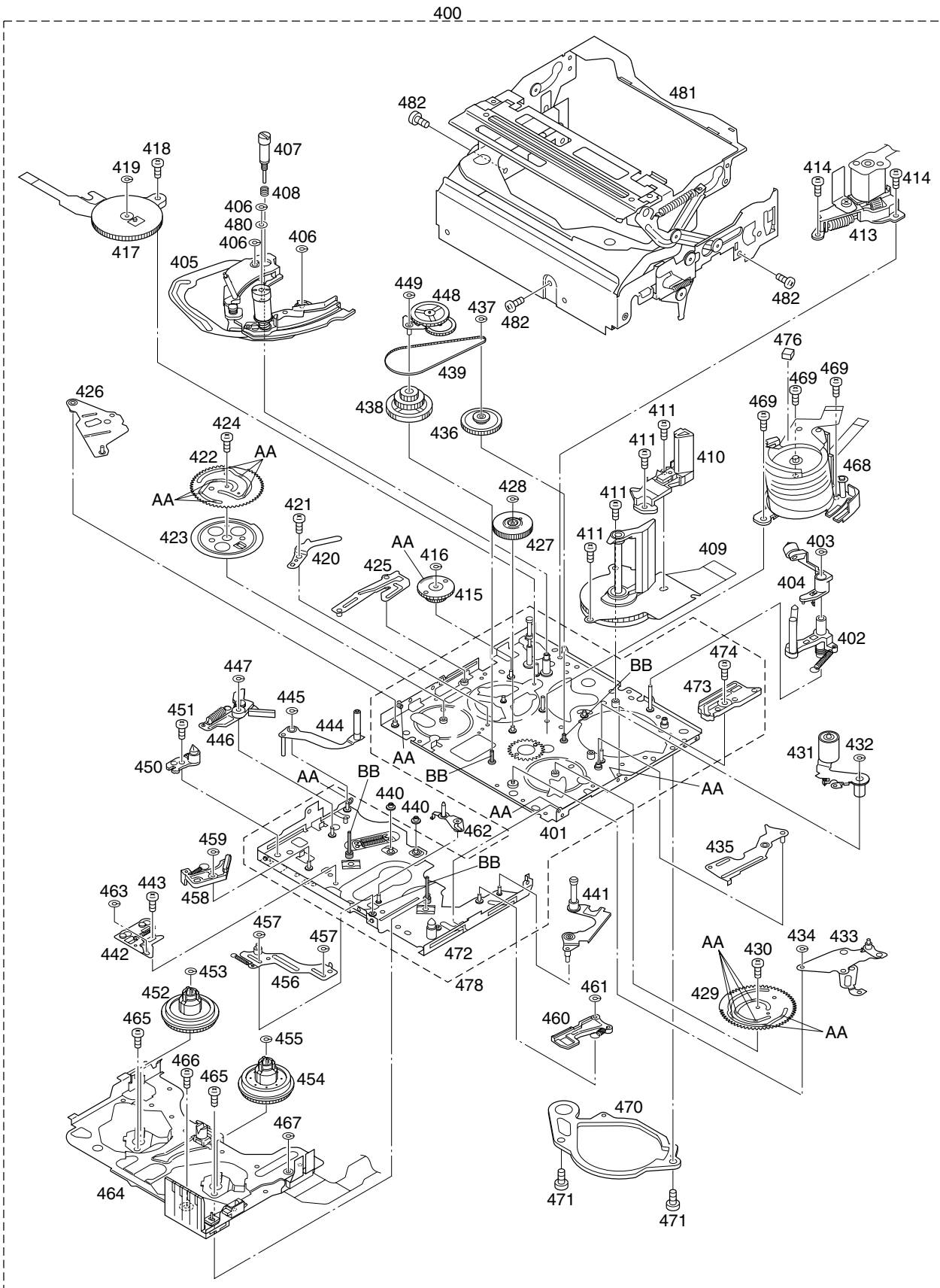
5.2 FINAL ASSEMBLY <M2>



#	△	REF No.	PART No.	PART NAME, DESCRIPTION

FINAL ASSEMBLY <M2>				
		101	LY20706-003C	LOWER CASE ASSY
		101A	LY32098-001A	WINDOW(IR)
		101B	LY30018-063A	SPECIAL SCREW
		101C	LY32099-001C	COVER(JACK)
		102	LY20697-001B	ARM ASSY
		102A	LY30001-023A	TENSION SPRING
		102B	LY30029-0C7A	SPACER(A)
		102C	LY30029-0E9A	SPACER(A)
		103	LY20693-001A	ZOOM UNIT
		104	LY20704-001A	CASSETTE COVER ASSY
		104A	LY40592-001A	CAP(GRIP BELT)
		105	LY20575-004B	GRIP BELT
		106	LY42891-001A	HOOK(GRIP)
		107	LY32092-013A	COVER(AJUST)
		110	LY32093-001A	COVER(ZOOM)ASSY
		111	LY20725-001A	REAR UNIT
		112	LY41691-001A	COVER(JIG)
		115	LY20707-007A	UPPER CASE(2.5)ASSY,A,B,C,D
			LY20717-004B	UPPER CASE3/3.5ASSY,E,F,G,H
		115A	LY32101-001A	BRACKET
		115B	LY40664-001A	SPACER,X2
		115C	LY31019-001A	BASE
		115D	LY30018-084A	SPECIAL SCREW,X2
		115E	LY30018-0A8A	SPECIAL SCREW,X4
		115F	LY42866-001A	CAP(DC JACK)
		116	LY32106-001A	COVER(HINGE)
		117	LY30018-084A	SPECIAL SCREW,X2
		118	QAS0048-001	SPEAKER
		119	LY42167-001A	PLATE(SPK)
		120	LY42919-001A	KNOB(SLIDE)
		121	LY42919-002A	KNOB(SLIDE)
		122	QUQ105-5007AA	FFC WIRE,MAIN CN101-MONI CN761
△		130	LY20711-003A	FRONT COVER ASSY
		130A	LY32111-002A	HOOD
		130B	LY32112-001A	RING
		130C	LY32113-001A	HOOD(SCREW)
		130D	LY42953-001A	MARK
		130E	LY30018-052A	SPECIAL SCREW,X3
		132	LY31617-002A	DC LIGHT ASSY
		132A	YQ44266	LAMP
		133	LY32114-001A	MICROPHONE
		134	LY40698-002A	LABEL(HOUSING)
		135	LY40699-002A	LABEL(PUSH)
		136	LY43093-004A	STICKER(TOP),A,B
			LY43093-005A	STICKER(TOP),C,D
			LY43093-006A	STICKER(TOP),E,F
			LY43093-007A	STICKER(TOP),G,H
		137	LY43094-003A	STICKER(SIDE),C,D,G,H
			LY43094-004A	STICKER(SIDE),A,B,E,F
		138	LY42182-002A	CAP(HOOD)ASSY
		138A	LY31627-001A	SPRING
		140	LY30018-084A	SPECIAL SCREW,X3
		141	LY30018-096A	SPECIAL SCREW,X2
		142	LY30018-038A	SPECIAL SCREW
		143	LY30018-084A	SPECIAL SCREW
		144	LY30018-0D1A	SPECIAL SCREW
		145	LY30018-084A	SPECIAL SCREW,X4
		146	LY30018-084A	SPECIAL SCREW,X3
		147	LY30018-038A	SPECIAL SCREW,X2
		148	LY30018-038A	SPECIAL SCREW,X5
		149	LY30018-084A	SPECIAL SCREW,X2
		150	LY30018-084A	SPECIAL SCREW,X2
		151	LY30018-023A	SPECIAL SCREW
		155	LY30018-084A	SPECIAL SCREW
		156	LY30019-029B	SPECIAL SCREW,X2
		157	LY30018-023A	SPECIAL SCREW
		158	LY30018-0D6A	SPECIAL SCREW,X2
		159	LY30018-023A	SPECIAL SCREW,X3
		160	LY30018-006B	SPECIAL SCREW
		162	LY30018-063A	SPECIAL SCREW
		163	LY30018-064A	SPECIAL SCREW
		170	LY30019-026A	SPECIAL SCREW,X2
		171	YQ43893-4	MINI SCREW
		172	YQ43893-4	MINI SCREW
		173	LY30019-033A	SPECIAL SCREW,X2
		174	QYSPSPT1730Z	SCREW,X2
		175	LY30018-066A	SPECIAL SCREW,X4
		176	LY30018-084A	SPECIAL SCREW
		177	LY30018-084A	SPECIAL SCREW,X2
		178	LY30018-084A	SPECIAL SCREW,X3
		179	LY30018-084A	SPECIAL SCREW,X5
		180	LY30018-092A	SPECIAL SCREW
		185	LY30018-065A	SPECIAL SCREW
		186	LY30018-006B	SPECIAL SCREW
		187	LY30018-092A	SPECIAL SCREW
		188	LY30018-065A	SPECIAL SCREW
		189	LY30018-037A	SPECIAL SCREW
		190	LY30018-037A	SPECIAL SCREW
		191	LY30018-084A	SPECIAL SCREW,X2
		195	LY20696-001A	BRACKET(MECHA)
		196	LY42846-001A	BKT(OP) ASSY
		196A	LY42796-001A	BUSH,X2
		198	LY32081-001A	SHIELD PLATE
		199	WJT0044-001A	E-CARD WIRE,MAIN CN113-JUNC CN571
- OPTICAL BLOCK SECTION -				
		251	J7A-233A	OPTICAL BLOCK ASSY
		251A	LY30723-001B	ZOOM MOTOR
		251B	LY30724-001B	FOCUS MOTOR
		251C	LY30727-002A	SCREW,X5
		251D	LY30727-001A	SCREW,X2
		251E	LY42936-001A	OPTICAL LPF
		251F	LY31639-001A	SPACER RUBBER
		251G	QYSPSGU1750Z	SCREW,X2
		251H	LY32160-001A	IRIS MOTOR
		251J	YS40168F	CCD BASE ASSY

5.3 MECHANISM ASSEMBLY <M3>



Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

NOTE:The section marked in **AA** and **BB** indicate lubrication and greasing areas.

△ REF No. PART No. PART NAME, DESCRIPTION

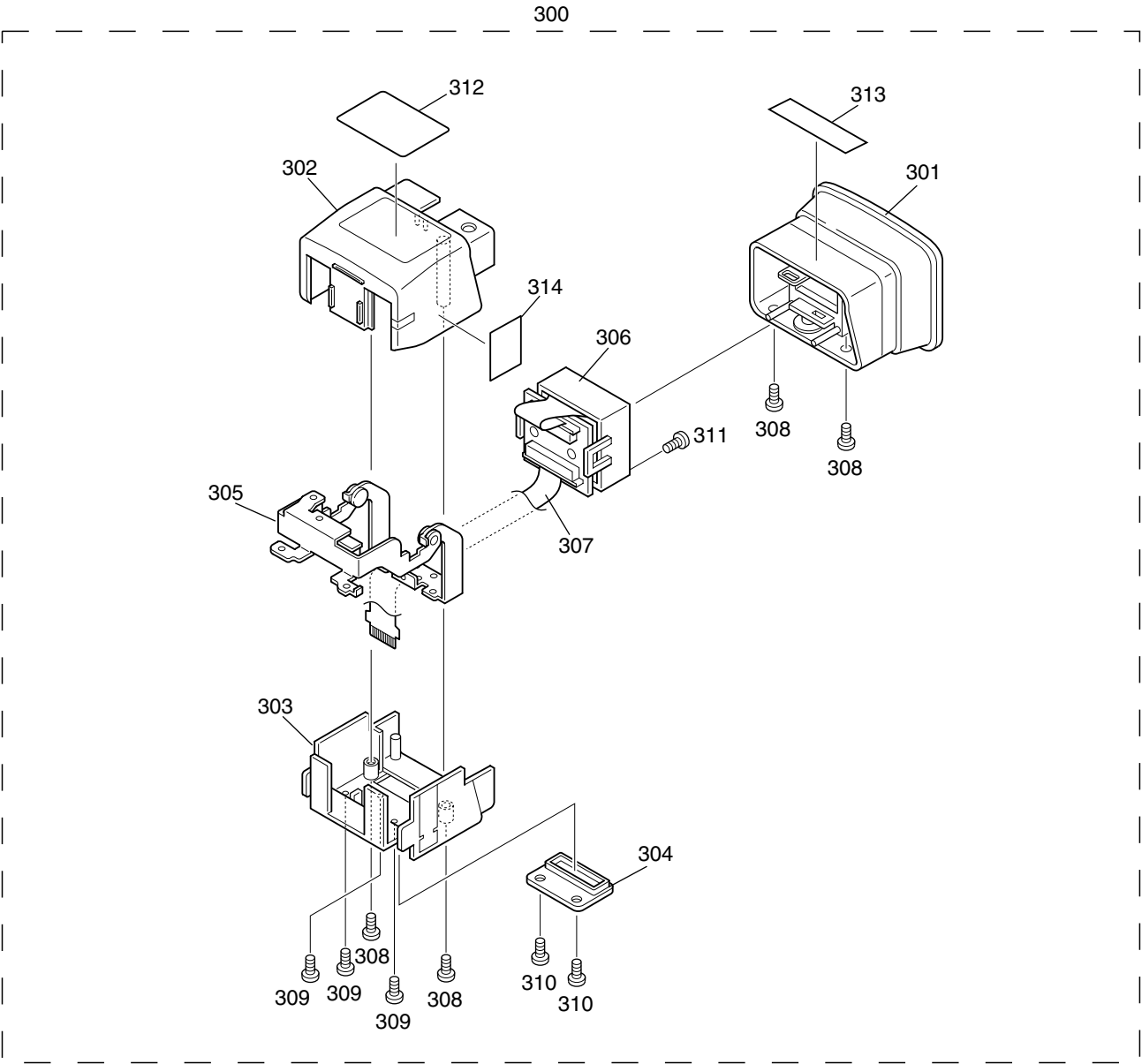
MECHANISM ASSEMBLY <M3>

400	YMA0025H	MECHA(A)ASSY
401	LY10077-001M	MAIN DECK ASSY
402	LY30436-001G	SLANT POLE ARM ASSY
403	YQ44246	SLIT WASHER
404	LY30438-001B	CLEANER ARM ASSY
405	LY10080-001V	RAIL ASSY
406	YQ44246	SLIT WASHER,X3
407	LY40353-001D	GUIDE ROLLER(S)ASSY
408	LY30002-006C	COMPRESSION SPRING
409	QAR0026-002	CAPSTAN MOTOR
410	LY30504-001C	CATCHER(T)ASSY
411	YQ43893	MINI SCREW,X4
413	LY30448-001H	MOTOR BKT ASSY
414	YQ43893	MINI SCREW,X2
415	LY30449-001C	WORM WHEEL
416	YQ44246	SLIT WASHER
417	LY40496-001C	ROTARY ENCODER
418	YQ43893	MINI SCREW
419	YQ44246	SLIT WASHER
420	LY40614-001B	GEAR HOLDER
421	YQ43893-6	MINI SCREW
422	LY30450-001C	MAIN CAM
423	LY30840-001A	BRAKE CTL PLATE
424	YQ43893	MINI SCREW
425	LY40373-001C	TC LEVER ASSY
426	LY30452-001G	SLIDE LEVER ASSY
427	LY30454-001A	CONNECT GEAR
428	YQ44246	SLIT WASHER
429	LY30455-001B	SUB CAM
430	YQ43893	MINI SCREW
431	LY30456-001F	PINCHROLLER ARM ASSY
432	YQ44246	SLIT WASHER
433	LY30459-001A	CHARGE ARM ASSY
434	YQ44246	SLIT WASHER
435	LY40387-001D	BC LEVER ASSY
436	LY40389-001D	REEL DRIVE PULLEY ASSY
437	YQ44246-2	SLIT WASHER
438	LY40391-002B	CENTER GEAR ASSY
439	LY40396-001A	TIMING BELT
440	LY40413-001A	COLLAR,X2
441	LY30468-001E	GUIDE ARM ASSY
442	LY30618-001C	SLIDE GUIDE PLATE ASSY
443	YQ43893-2	MINI SCREW
444	LY40420-001J	TENSION ARM ASSY
445	YQ44246	SLIT WASHER
446	LY30471-001D	PAD ARM ASSY
447	YQ44246	SLIT WASHER
448	LY40432-001H	IDLER ARM ASSY
449	YQ44246-2	SLIT WASHER
450	LY30476-001A	GUIDE PIN(S)
451	YQ43893	MINI SCREW
452	LY40441-001B	REEL DISK(SUPPLY)ASSY
453	YQ44246	SLIT WASHER
454	LY40443-001B	REEL DISK(TAKE-UP)ASSY
455	YQ44246	SLIT WASHER
456	LY30477-001F	CTL PLATE ASSY
457	YQ44246	SLIT WASHER,X2
458	LY40444-001E	LOADING BRAKE ASSY
459	YQ44246	SLIT WASHER

△ REF No. PART No. PART NAME, DESCRIPTION

460	LY40452-001C	SUB BRAKE ASSY
461	YQ44246	SLIT WASHER
462	LY30479-001E	RELEASE GUIDE ASSY
463	YQ44246	SLIT WASHER
464	LY20146-001H	REEL COVER ASSY
465	YQ43893-4	MINI SCREW,X2
466	YQ43893	MINI SCREW
467	YQ44246	SLIT WASHER
468	YDV2086K	DRUM ASSY
469	YQ43893	MINI SCREW,X3
470	LY20138-001D	PWB HOLDER
471	YQ43893	MINI SCREW,X2
472	LY10082-001L	SLIDE DECK ASSY
473	LY30462-001B	LOADING GUIDE
474	YQ43893	MINI SCREW
476	LY30018-0M1A	SPACER-A
478	LY30496-001W	DECK ASSY
480	LY41573-001A	WASHER
481	LY30483-001Q	CASSETTE HOUSING ASSY
482	YQ43893-4	MINI SCREW,X3

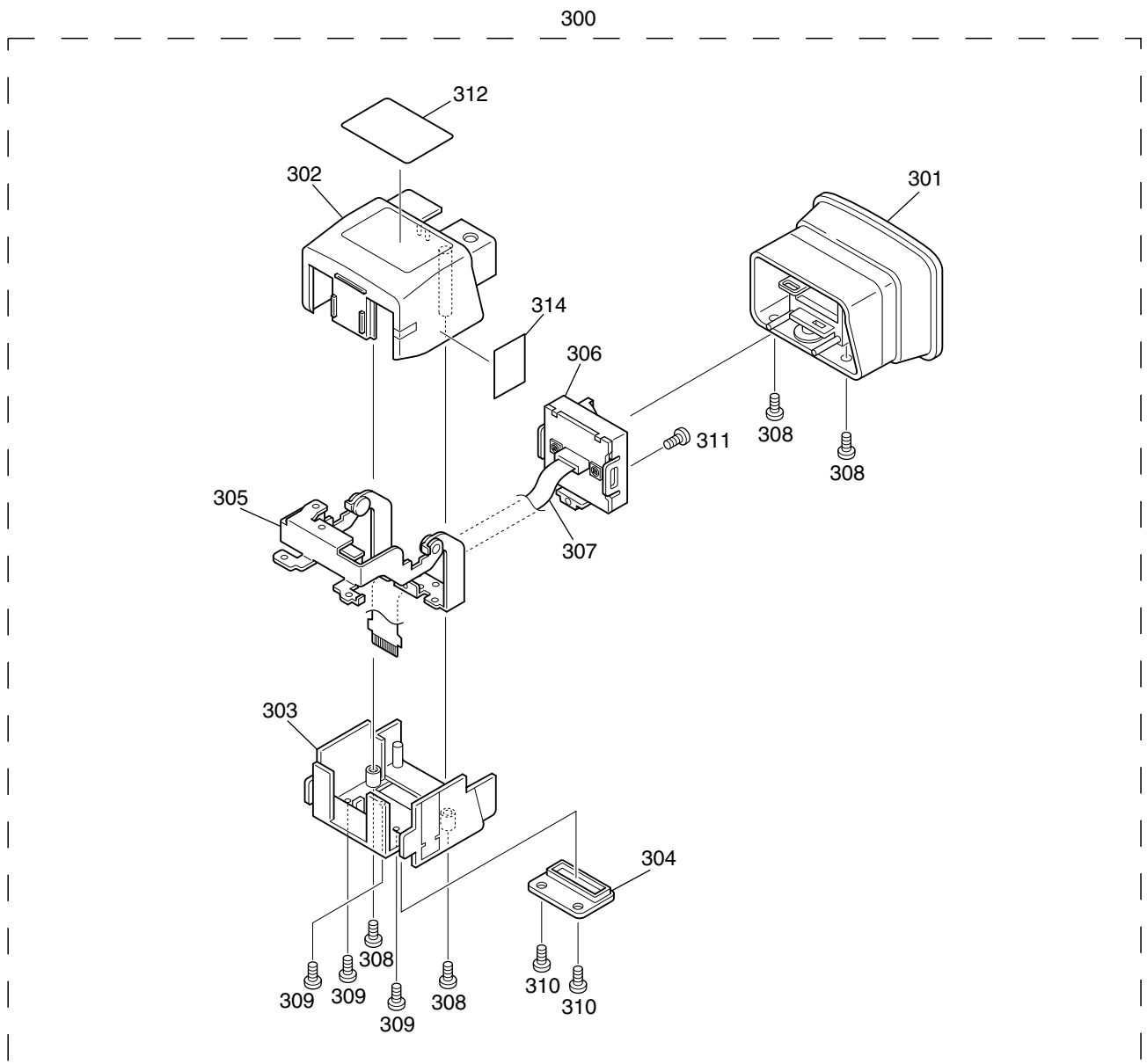
5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4> [GR-DVL555EG/EK, 557EG]



#	△	REF No.	PART No.	PART NAME, DESCRIPTION	#	△	REF No.	PART No.	PART NAME, DESCRIPTION

ELECTRONIC VIEWFINDER ASSEMBLY <M4>									
300			LY20712-002B	VF ASSY,E,G	305			PTY20712-031	HINGE ASSY
			LY20712-004A	VF ASSY,F	306			PTY20712-041	LCD ASSY
301			PTY20712-001	EYE PIECE ASSY	307			QAL0287-001	FPC
302			PTY20712-011	TOP CASE SUB ASSY	308			LY30018-063A	SPECIAL SCREW,X4
303			PTY20712-021	BOTTOM CASE	309			LY30018-055A	SPECIAL SCREW,X3
304			PTY20712-022	CAP(VF)	310			LY30018-035A	SPECIAL SCREW,X2
					311			PTY20712-051	SCREW
					312			LY41701-002A	SHEET(CAUTION)1
					313			LY40074-001A	LABEL/COLOR
					314			LY43041-002A	LABEL(VF)

5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4> [GR-DVL355EG/EK, 357EG/EK, 557EK]



REF No. PART No. PART NAME, DESCRIPTION

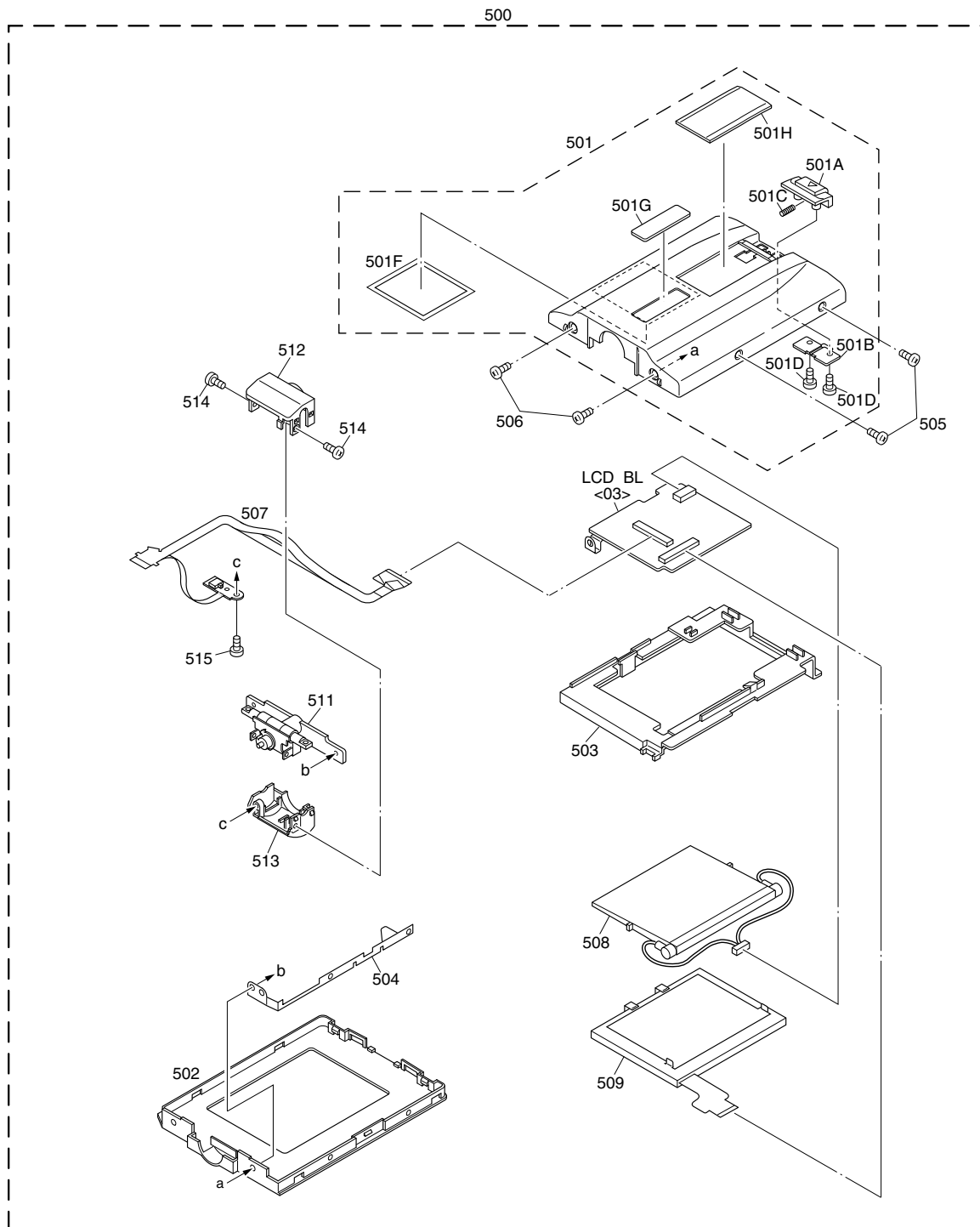
ELECTRONIC VIEWFINDER ASSEMBLY <M4>

300	LY20744-002B	VF UNIT,A,C,H
	LY20744-003A	VF UNIT,B,D
301	PTY20744-001	EYE PIECE ASSY
302	PTY20712-011	TOP CASE SUB ASSY
303	PTY20712-021	BOTTOM CASE
304	PTY20712-022	CAP(VF)

REF No. PART No. PART NAME, DESCRIPTION

305	PTY20712-031	HINGE ASSY
306	PTY20744-041	LCD ASSY
307	QAL0288-001	FPC
308	LY30018-063A	SPECIAL SCREW,X4
309	LY30018-055A	SPECIAL SCREW,X3
310	LY30018-035A	SPECIAL SCREW,X2
311	PTY20744-051	SCREW
312	LY41701-002A	SHEET(CAUTION)1
314	LY43041-002A	LABEL(VF)

5.5 MONITOR ASSEMBLY <M5> [GR-DVL355EG/EK, 357EG/EK]



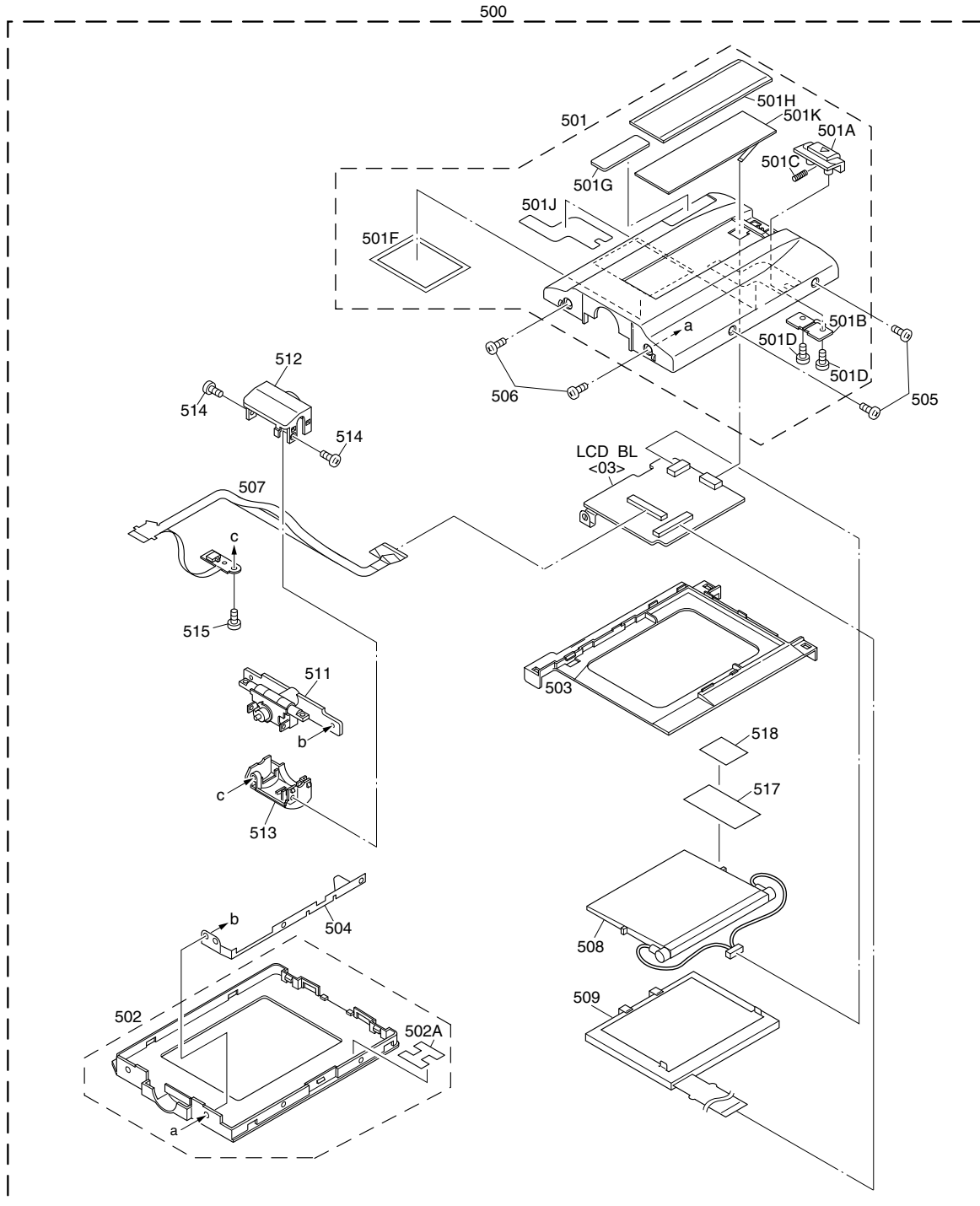
REF No. PART No. PART NAME, DESCRIPTION

MONITOR ASSEMBLY <M5>

	500	LYH20246-010B	MONITOR ASSY
	501	LY20721-003B	MONITOR COVER(2.5)ASSY
	501A	LY31620-001A	KNOB(LOCK 1)
	501B	LY42180-001A	KNOB(LOCK 2)
	501C	LY30002-044A	COMPRES. SPRING
	501D	LY30018-084A	SPECIAL SCREW,X2
	501F	LY40559-001A	SHIELD SHEET
	501G	LY42883-001A	MARK
	501H	LY32087-002B	WINDOW
	502	LY10264-001A	MONITOR CASE(2.5)

#	REF No.	PART No.	PART NAME, DESCRIPTION
	503	LY20674-001A	HOLDER(2.5PWB)
	504	LY31622-001A	BRACKET(EARTH)
	505	QYSPSPT1730R	SCREW,X2
	506	QYSLSP2040D	SCREW,X2
	507	LY31743-001A	MONITOR FPC ASSY
	508	QLL0093-001	BACK LIGHT
	509	QLD0154-001	LCD MODULE
	511	LY32079-001A	HINGE ASSY
	512	LY32088-001A	HINGE COVER(1)
	513	LY32089-001A	HINGE COVER(2)
	514	LY30018-058A	SPECIAL SCREW,X2
	515	LY30018-023A	SPECIAL SCREW

5.5 MONITOR ASSEMBLY <M5> [GR-DVL555EG/EK, 557EG/EK]



REF No. PART No. PART NAME, DESCRIPTION

MONITOR ASSEMBLY <M5>

	500	LYH20246-011A	MONITOR ASSY
	501	LY20721-002B	MONITOR COVER(3.5)ASSY
	501A	LY31620-001A	KNOB(LOCK 1)
	501B	LY42180-001A	KNOB(LOCK 2)
	501C	LY30002-044A	COMPRES. SPRING
	501D	LY30018-084A	SPECIAL SCREW,X2
	501F	LY40559-001A	SHIELD SHEET
	501G	LY42883-001A	MARK
	501H	LY32121-002B	WINDOW
	501J	LY42386-001A	EARTH MON
	501K	LY42193-001A	EL(WINDOW)
	502	LY20598-002A	MONITOR CASE ASSY

REF No. PART No. PART NAME, DESCRIPTION

	502A	LY42388-001A	EARTH MON(2)
	503	LY20568-001A	HOLDER(3.5PWB)
	504	LY31622-001A	BRACKET(EARTH)
	505	QYSPST1730R	SCREW,X2
	506	QYSLSP2040D	SCREW,X2
	507	LY31743-001A	MONITOR FPC ASSY
	508	QLL0081-001	BACK LIGHT
	509	QLD0096-002	LCD MODULE
	511	LY32079-001A	HINGE ASSY
	512	LY32088-001A	HINGE COVER(1)
	513	LY32089-001A	HINGE COVER(2)
	514	LY30018-058A	SPECIAL SCREW,X2
	515	LY30018-023A	SPECIAL SCREW
	517	LY30029-0A5A	SPACER(A)
	518	PU59915-105	#500SPACER0.01

5.6 ELECTRICAL PARTS LIST

MODEL	MARK	MODEL	MARK
GR-DVL355EG	A	GR-DVL555EG	E
GR-DVL355EK	B	GR-DVL555EK	F
GR-DVL357EG	C	GR-DVL557EG	G
GR-DVL357EK	D	GR-DVL557EK	H

#	△ REF No.	PART No.	PART NAME, DESCRIPTION

MAIN BOARD ASSEMBLY <01>			
PW1		YB10317PB-05	MAIN BOARD ASSY,A,B,C,D,E,F,H
		YB10317PA-05	MAIN BOARD ASSY,G
IC1001		UPD703039F1-A03	IC(MICRO C ROM)
		or UPD70F3040F1A03	IC(MICRO C ROM)
IC1002		RS5C314	IC
IC1003		AT25160N-10SC-X	IC
		or X25170S8I-2.5-X	IC
		or 25LC160-I/SN-X	IC
IC1004		TC7S56FU	IC
IC1005		TC7S00FU	IC
		or SN74AHC1G00K	IC
IC1006		MB90097PFV139	IC(MICRO C ROM)
IC1007		TC74VHC08FT	IC(DIGITAL)
		or SN74LV08APW	IC
IC1008		TC7W66FK	IC
IC1009		IC-PST9323U-X	IC
IC1303		TC7S32FU	IC(DIGITAL)
		or SN74AHC1G32K	IC
IC1304		TC7S02FU	IC(DIGITAL)
		or SN74AHC1G02K	IC
IC1401		YQ44882A	CSP IC ASSY
IC1403		SN74AHC2G53T	IC,A,B,E
IC1404		TC7W14FU	IC(DIGITAL)
		or SN74AHC2G14T	IC
IC1601		BD6630KV	IC
IC2001		AK4560AVQ	IC
IC3001		JCY0133	IC
IC3002		JCY0136	IC
IC3003		TLC2940IPW	IC
IC3004		SN74AHC1G04K	IC
IC3006		JCY0164	IC
IC3007		SN74AHC2G53T	IC
IC3501		JCY0132	IC
IC3701		BA7665FS	IC
IC3901		JCP8029	IC,G
IC3951		MM1504XN	IC,G
IC4201		HD49326BF	IC
IC4202		MM1385HN	IC
IC4301		JCY0150	IC
IC4302		TMS4C2973-28-X	IC
IC4802		TA75W01FU	IC
IC4803		TA75W01FU	IC
IC4804		UPC358G2/5/-W	IC
IC4806		TC7W00FK	IC
IC4851		UPD16879GS	IC
IC5501		JCY0117	IC
IC6001		S-80842ANNP-W	IC
IC6101		FA3698F	IC
IC8001		JCY0076B	IC
IC8002		M32000D4AFP	IC(MICRO C ROM)
		or M32000D4BFP	IC(MICRO C ROM)
IC8003		MBV400TC90PTA10	IC(MICRO C ROM)
		or MBV400TC70PTA10	IC(MICRO C ROM)
		or 39VF400A7CEKA05	IC(MICRO C ROM)
		or 39VF400A9CEKA05	IC(MICRO C ROM)
IC8004		S-814A31AMC-W	IC
IC8006		TC7WHU04FU	IC
IC8007		TC7W32FK	IC
IC8051		TC7S32FU	IC(DIGITAL)

#	△ REF No.	PART No.	PART NAME, DESCRIPTION
IC8052		SN74AHC2G53T	IC
IC8401		ML60851CLB	IC
IC8402		S-80842ANNP-W	IC
IC8403		S-814A33AMC-W	IC
Q1001		DTC124EE	TRANSISTOR
Q1002		2SC4617/RS/-X	TRANSISTOR
Q1003		DTC143EE	TRANSISTOR
Q1004		DTA114EE	TRANSISTOR
		or PDTA114EE	TRANSISTOR
		or RN2102	TRANSISTOR
Q1005		DTC144EE	TRANSISTOR
		or UN9213J	TRANSISTOR
		or RN1104	TRANSISTOR
		or PDTA144EE	TRANSISTOR
Q1006		DTA114EE	TRANSISTOR
		or PDTA114EE	TRANSISTOR
		or RN2102	TRANSISTOR
Q1007		DTC144EE	TRANSISTOR
		or UN9213J	TRANSISTOR
		or PDTA144EE	TRANSISTOR
		or RN1104	TRANSISTOR
Q1301		2SC4617/RS/-X	TRANSISTOR
Q1401		DTA114EE	TRANSISTOR
		or PDTA114EE	TRANSISTOR
		or RN2102	TRANSISTOR
Q1402		UMC3N	TRANSISTOR
Q1403		UMC3N	TRANSISTOR
Q1404		DTC144EE	TRANSISTOR
		or PDTA144EE	TRANSISTOR
		or RN1104	TRANSISTOR
		or UN9213J	TRANSISTOR
Q1601		UMC3N	TRANSISTOR
Q2001		UMX1N	PAIR TRANSISTOR
Q2002		2SC4617/RS/-X	TRANSISTOR
Q2004		2SC4617/RS/-X	TRANSISTOR
Q3701		UMT2N	PAIR TRANSISTOR
Q3702		UMZ1N	PAIR TRANSISTOR
Q3703		2SC4617/RS/-X	TRANSISTOR,G
Q3951		UMZ1N	PAIR TRANSISTOR,G
Q3952		DTC144EE	TRANSISTOR,G
		or PDTA144EE	TRANSISTOR,G
		or RN1104	TRANSISTOR,G
		or UN9213J	TRANSISTOR,G
Q3953		UMZ1N	PAIR TRANSISTOR,G
Q3954		2SC4617/RS/-X	TRANSISTOR,G
Q4301		UMT2N	PAIR TRANSISTOR
Q4302		UMT2N	PAIR TRANSISTOR
Q4801		2SC4655/BC/-X	TRANSISTOR
Q4851		2SC4617/RS/-X	TRANSISTOR
Q6001		DTC144EE	TRANSISTOR
		or PDTA144EE	TRANSISTOR
		or RN1104	TRANSISTOR
		or UN9213J	TRANSISTOR
Q6002		2SK3019	MOS FET
Q6003		2SJ347	MOS FET
Q6004		2SB1121/TU/-X	TRANSISTOR
Q6101		2SK3019	MOS FET
Q6102		2SK3019	MOS FET
Q6201		NDS352AP	MOS FET
Q6202		2SA1577/RS/-X	TRANSISTOR
Q6203		SSM6J07FU	MOS FET
Q6204		CPH3304	MOS FET
Q6205		CPH3101	TRANSISTOR

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
	Q6206	2SC4617/RS/-X	TRANSISTOR		R1024	NRSA6AJ-823W	MG RESISTOR 82kΩ, 1/16W
	Q6207	2SD1621/TU/-X	TRANSISTOR		R1025	NRVA6AD-623W	CMF RESISTOR 62kΩ, 1/16W
	Q6208	SSM6J07FU	MOS FET		R1026	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	Q6210	SSM6J07FU	MOS FET		R1027	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	Q6211	NDS352AP	MOS FET		R1028	NRSA6AJ-185W	MG RESISTOR 1.8MΩ, 1/16W
	Q6212	HN1C01FU/G/-X	PAIR TRANSISTOR		R1029	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
		or PUMX1	PAIR TRANSISTOR		R1030	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	Q6213	2SA1577/RS/-X	TRANSISTOR		R1031	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	Q6214	DTC144EE	TRANSISTOR		R1032	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
		or PDC144EE	TRANSISTOR		R1033	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
		or RN1104	TRANSISTOR		R1034	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
		or UN9213J	TRANSISTOR		R1035	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	Q6215	HN1A01FU/G/-X	PAIR TRANSISTOR		R1036	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
		or PUMT1	PAIR TRANSISTOR		R1037	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	Q6216	2SC4617/RS/-X	TRANSISTOR		R1038	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	Q6217	UMZ1N	PAIR TRANSISTOR		R1039	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	Q6701	TPC6102	MOS FET		R1040	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	Q8001	2SB1121/TU/-X	TRANSISTOR		R1041	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	Q8401	DTA114EE	TRANSISTOR		R1042	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D1001	DA221	DIODE		R1043	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D1302	RB501V-40-X	SB DIODE		R1044	NRSA6AJ-123W	MG RESISTOR 12kΩ, 1/16W
	D1602	DAP222	DIODE		R1045	NRSA6AJ-822W	MG RESISTOR 8.2kΩ, 1/16W
	D1603	DAP222	DIODE		R1046	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	D1604	DAP222	DIODE		R1047	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D3001	EC2C01C	VARI CAP DIODE		R1048	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D3002	EC2C01C	VARI CAP DIODE		R1049	NRSA6AJ-393W	MG RESISTOR 39kΩ, 1/16W
	D3003	EC2C01C	VARI CAP DIODE		R1050	NRSA6AJ-223W	MG RESISTOR 22kΩ, 1/16W
	D5501	1SS355	DIODE		R1051	NRSA6AJ-272W	MG RESISTOR 2.7kΩ, 1/16W
▲	D6002	RB715F	SB DIODE		R1052	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W
	D6201	EP10LA03	SB DIODE		R1053	NRSA6AJ-154W	MG RESISTOR 150kΩ, 1/16W
	D6202	EP10LA03	SB DIODE		R1054	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D6203	EP10LA03	SB DIODE		R1055	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	D6204	EP10LA03	SB DIODE		R1056	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	D6205	EP10LA03	SB DIODE		R1057	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D6206	1SS383	SB DIODE		R1058	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	D6207	MA8091/L/-X	ZENER DIODE		R1059	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D6701	CRS09	SB DIODE		R1061	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	D6702	CRS09	SB DIODE		R1062	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	D8051	RB715F	SB DIODE		R1080	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	D8401	1SS355	DIODE		R1302	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	R1001	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1306	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	R1002	NRSA6AJ-224W	MG RESISTOR 220kΩ, 1/16W		R1401	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	R1003	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W		R1402	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1004	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1403	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1005	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W		R1408	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	R1006	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1409	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1007	NRSA6AJ-334W	MG RESISTOR 330kΩ, 1/16W		R1410	NRSA6AJ-331W	MG RESISTOR, A,B,E 330Ω, 1/16W
	R1008	NRSA6AJ-561W	MG RESISTOR 560Ω, 1/16W		R1411	NRSA6AJ-473W	MG RESISTOR, A,B,E 47kΩ, 1/16W
	R1009	NRSA6AJ-151W	MG RESISTOR 150Ω, 1/16W		R1412	NRSA6AJ-331W	MG RESISTOR, A,B,E 330Ω, 1/16W
	R1010	NRSA6AJ-221W	MG RESISTOR 220Ω, 1/16W		R1413	NRSA6AJ-331W	MG RESISTOR, C,D,F,G,H 330Ω, 1/16W
	R1011	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1414	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W
	R1012	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W		R1415	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W
	R1013	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1416	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W
	R1014	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1417	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	R1015	NRSA6AJ-474W	MG RESISTOR 470kΩ, 1/16W		R1418	NRSA6AJ-221W	MG RESISTOR 220Ω, 1/16W
	R1016	NRSA6AJ-474W	MG RESISTOR 470kΩ, 1/16W		R1419	NRSA6AJ-221W	MG RESISTOR 220Ω, 1/16W
	R1017	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1420	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R1018	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1422	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1019	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W		R1423	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1020	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1424	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1021	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1425	NRVA6AD-753W	CMF RESISTOR 75kΩ, 1/16W
	R1022	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1426	NRSA6AJ-334W	MG RESISTOR 330kΩ, 1/16W
	R1023	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1427	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
R1428	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	R2020	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R1429	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2023	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1430	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2024	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R1432	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W	R2025	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1433	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2026	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1434	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W	R2027	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1435	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2028	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R1436	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W	R2029	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1437	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W	R2101	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1439	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R2102	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1440	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R2103	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1441	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R2104	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1442	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R2105	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1443	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2106	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1444	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2107	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1445	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	R2108	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W	R2109	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	R2110	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	R2111	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	R2112	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W	R2113	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1606	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R2114	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1608	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W	R2117	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W	R2118	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	R2119	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	R2120	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	R2127	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R2128	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1614	NRVA6AD-682W	CMF RESISTOR	6.8kΩ,1/16W	R2129	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1615	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R2130	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1616	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W	R2201	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1617	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	R2202	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1618	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W	R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1619	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W	R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1625	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W	R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R1626	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W	R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W
R1628	NRVA6AD-271W	CMF RESISTOR	270Ω,1/16W	R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R1629	NRSA6AJ-684W	MG RESISTOR	680kΩ,1/16W	R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R1637	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W	R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W
R2006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	R3021	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2007	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R3022	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2008	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R3023	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2009	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R3024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2010	NRSA6AJ-273W	MG RESISTOR,G	27kΩ,1/16W	R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2011	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D,E,F,H	0Ω,1/16W	R3029	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	NRSA6AJ-223W	MG RESISTOR,G	22kΩ,1/16W	R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R2012	NRSA6AJ-273W	MG RESISTOR,G	27kΩ,1/16W	R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R2013	NRSA6AJ-223W	MG RESISTOR,G	22kΩ,1/16W	R3033	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D,E,F,H	0Ω,1/16W	R3034	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2014	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W	R3041	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R2015	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W	R3042	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R2016	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W	R3043	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R2017	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R3044	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R2018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3046	NRSA6AD-222W	MG RESISTOR	2.2kΩ,1/16W
R2019	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W	R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4302	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4304	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4307	NRSA6AD-333W	MG RESISTOR	33kΩ, 1/16W
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4308	NRSA6AD-682W	MG RESISTOR	6.8kΩ, 1/16W
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω, 1/16W	R4311	NRSA6AD-272W	MG RESISTOR	2.7kΩ, 1/16W
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R4312	NRSA6AD-272W	MG RESISTOR	2.7kΩ, 1/16W
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R4313	NRSA6AD-272W	MG RESISTOR	2.7kΩ, 1/16W
R3504	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4314	NRSA6AD-123W	MG RESISTOR	12kΩ, 1/16W
R3505	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4315	NRSA6AD-103W	MG RESISTOR	10kΩ, 1/16W
R3506	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4316	NRSA6AD-111W	MG RESISTOR	110Ω, 1/16W
R3507	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W	R4318	NRSA6AJ-152W	MG RESISTOR	1.5kΩ, 1/16W
R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W	R4319	NRSA6AD-111W	MG RESISTOR	110Ω, 1/16W
R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W	R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3701	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4321	NRSA6AJ-152W	MG RESISTOR	1.5kΩ, 1/16W
R3702	NRSA6AD-241W	MG RESISTOR	240Ω, 1/16W	R4322	NRSA6AD-111W	MG RESISTOR	110Ω, 1/16W
R3703	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W	R4323	NRSA6AD-101W	MG RESISTOR	100Ω, 1/16W
R3704	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D,E,F,H	0Ω, 1/16W	R4324	NRSA6AJ-152W	MG RESISTOR	1.5kΩ, 1/16W
R3705	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D,E,F,H	0Ω, 1/16W	R4326	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3706	NRSA6AD-221W	MG RESISTOR	220Ω, 1/16W	R4327	NRSA6AJ-152W	MG RESISTOR	1.5kΩ, 1/16W
R3707	NRSA6AD-221W	MG RESISTOR	220Ω, 1/16W	R4333	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3708	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W	R4336	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3709	NRSA6AJ-104W	MG RESISTOR,G	100kΩ, 1/16W	R4338	NRSA6AJ-220W	MG RESISTOR	22Ω, 1/16W
R3710	NRSA6AJ-104W	MG RESISTOR,G	100kΩ, 1/16W	R4340	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3711	NRSA6AD-680W	MG RESISTOR	68Ω, 1/16W	R4343	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3712	NRSA6AD-680W	MG RESISTOR	68Ω, 1/16W	R4344	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R3713	NRSA6AD-680W	MG RESISTOR	68Ω, 1/16W	R4346	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R3714	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4347	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4348	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R3716	NRSA6AJ-105W	MG RESISTOR	1MΩ, 1/16W	R4349	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R3717	NRSA6AJ-823W	MG RESISTOR	82kΩ, 1/16W	R4350	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R3718	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R4351	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R3719	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W	R4804	NRSA6AJ-331W	MG RESISTOR	330Ω, 1/16W
R3721	NRSA6AJ-101W	MG RESISTOR,G	100Ω, 1/16W	R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R3722	NRSA6AJ-472W	MG RESISTOR,G	4.7kΩ, 1/16W	R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ, 1/16W
R3723	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W	R4807	NRSA6AJ-823W	MG RESISTOR	82kΩ, 1/16W
R3724	NRSA6AJ-392W	MG RESISTOR,A,B,C,D,E,F,H	3.9kΩ, 1/16W	R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ, 1/16W
R3901	NRSA6AD-681W	MG RESISTOR,G	680Ω, 1/16W	R4809	NRSA6AJ-681W	MG RESISTOR	680Ω, 1/16W
R3904	NRSA6AD-821W	MG RESISTOR,G	820Ω, 1/16W	R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R3905	NRSA63J-0R0X	MG RESISTOR,G	0Ω, 1/16W	R4811	NRSA6AJ-824W	MG RESISTOR	820kΩ, 1/16W
R3911	NRSA6AJ-0R0W	MG RESISTOR,G	0Ω, 1/16W	R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ, 1/16W
R3951	NRSA6AD-561W	MG RESISTOR,G	560Ω, 1/16W	R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ, 1/16W
R3953	NRSA6AD-152W	MG RESISTOR,G	1.5kΩ, 1/16W	R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W
R3954	NRSA6AJ-222W	MG RESISTOR,G	2.2kΩ, 1/16W	R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ, 1/16W
R3955	NRSA6AJ-102W	MG RESISTOR,G	1kΩ, 1/16W	R4817	NRSA6AJ-334W	MG RESISTOR	330kΩ, 1/16W
R3956	NRSA6AJ-474W	MG RESISTOR,G	470kΩ, 1/16W	R4818	NRSA6AJ-154W	MG RESISTOR	150kΩ, 1/16W
R3961	NRSA6AD-561W	MG RESISTOR,G	560Ω, 1/16W	R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R3962	NRSA6AJ-822W	MG RESISTOR,G	8.2kΩ, 1/16W	R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W
R3963	NRSA6AD-182W	MG RESISTOR,G	1.8kΩ, 1/16W	R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W
R3964	NRSA6AJ-183W	MG RESISTOR,G	18kΩ, 1/16W	R4822	NRSA6AJ-333W	MG RESISTOR	33kΩ, 1/16W
R3965	NRSA6AJ-183W	MG RESISTOR,G	18kΩ, 1/16W	R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R3966	NRSA6AJ-681W	MG RESISTOR,G	680Ω, 1/16W	R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W
R3967	NRSA6AJ-821W	MG RESISTOR,G	820Ω, 1/16W	R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W
R3968	NRSA6AJ-821W	MG RESISTOR,G	820Ω, 1/16W	R4836	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R3969	NRSA6AJ-102W	MG RESISTOR,G	1kΩ, 1/16W	R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω, 1/16W
R4202	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W	R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω, 1/16W
R4203	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W	R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ, 1/16W
R4204	NRSA6AJ-220W	MG RESISTOR	22Ω, 1/16W	R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω, 1/16W
R4205	NRSA6AJ-243W	MG RESISTOR	24kΩ, 1/16W	R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω, 1/16W
R4206	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R4207	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R4208	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R4301	NRSA6AJ-101W	MG RESISTOR	100Ω, 1/16W	R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W

#	△ REF No.	PART No.	PART NAME, DESCRIPTION	#	△ REF No.	PART No.	PART NAME, DESCRIPTION
	R4868	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6223	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W
	R4870	NRVA6AD-271W	CMF RESISTOR 270Ω,1/16W		R6224	NRVA6AD-473W	CMF RESISTOR 47kΩ,1/16W
	R4874	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6225	NRVA6AD-562W	CMF RESISTOR 5.6kΩ,1/16W
	R5501	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6226	NRVA6AD-223W	CMF RESISTOR 22kΩ,1/16W
	R5503	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6227	NRVA6AD-473W	CMF RESISTOR 47kΩ,1/16W
	R5504	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6228	NRVA6AD-473W	CMF RESISTOR 47kΩ,1/16W
	R5505	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6229	NRVA6AD-332W	CMF RESISTOR 3.3kΩ,1/16W
	R5506	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6230	NRSA6AJ-272W	MG RESISTOR 2.7kΩ,1/16W
	R5507	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R6231	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W
	R5509	NRSA6AJ-470W	MG RESISTOR 47Ω,1/16W		R6232	NRVA6AD-473W	CMF RESISTOR 47kΩ,1/16W
	R5510	NRSA6AJ-470W	MG RESISTOR 47Ω,1/16W		R6233	NRSA6AJ-822W	MG RESISTOR 8.2kΩ,1/16W
	R5511	NRSA6AJ-470W	MG RESISTOR 47Ω,1/16W		R6234	NRSA6AJ-273W	MG RESISTOR 27kΩ,1/16W
	R5512	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R6235	NRVA6AD-683W	CMF RESISTOR 68kΩ,1/16W
	R5513	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R6236	NRVA6AD-473W	CMF RESISTOR 47kΩ,1/16W
	R5514	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R6237	NRVA6AD-753W	CMF RESISTOR 75kΩ,1/16W
	R6001	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R6238	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W
	R6002	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R6239	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R6003	NRSA6AJ-224W	MG RESISTOR 220kΩ,1/16W		R6240	NRSA6AJ-333W	MG RESISTOR 33kΩ,1/16W
	R6004	NRSA6AJ-183W	MG RESISTOR 18kΩ,1/16W		R6241	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R6005	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R6242	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
△	R6009	NRSA63J-102X	MG RESISTOR 1kΩ,1/16W		R6243	NRSA6AJ-823W	MG RESISTOR 82kΩ,1/16W
	R6010	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W		R6244	NRSA6AJ-152W	MG RESISTOR 1.5kΩ,1/16W
	R6011	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R6245	NRSA6AJ-562W	MG RESISTOR 5.6kΩ,1/16W
	R6012	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W		R6246	NRSA6AJ-222W	MG RESISTOR 2.2kΩ,1/16W
	R6013	NRVA6AD-683W	CMF RESISTOR 68kΩ,1/16W		R6701	NRZ0058-R20X	MG RESISTOR 0.2Ω
	R6014	NRSA63J-0R0X	MG RESISTOR,C,D,F,G,H 0Ω,1/16W		R6702	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W
	R6015	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W		R6703	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W
	R6016	NRVA6AD-333W	CMF RESISTOR 33kΩ,1/16W		R6712	NRVA6AD-823W	CMF RESISTOR 82kΩ,1/16W
	R6101	NRVA6AD-103W	CMF RESISTOR 10kΩ,1/16W		R6713	NRVA6AD-333W	CMF RESISTOR 33kΩ,1/16W
	R6102	NRVA6AD-751W	CMF RESISTOR 750Ω,1/16W		R8001	NRSA63J-270X	MG RESISTOR 27Ω,1/16W
	R6103	NRVA6AD-333W	CMF RESISTOR 33kΩ,1/16W		R8002	NRSA6AJ-101W	MG RESISTOR 100Ω,1/16W
	R6104	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R8003	NRSA6AJ-101W	MG RESISTOR 100Ω,1/16W
	R6105	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W		R8004	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R6106	NRSA6AJ-333W	MG RESISTOR 33kΩ,1/16W		R8006	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R6107	NRVA6AD-562W	CMF RESISTOR 5.6kΩ,1/16W		R8014	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6108	NRSA6AJ-223W	MG RESISTOR 22kΩ,1/16W		R8015	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6110	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R8016	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6113	NRSA6AJ-472W	MG RESISTOR 4.7kΩ,1/16W		R8017	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6114	NRSA6AJ-823W	MG RESISTOR 82kΩ,1/16W		R8018	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6115	NRSA6AJ-823W	MG RESISTOR 82kΩ,1/16W		R8019	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6116	NRVA6AD-153W	CMF RESISTOR 15kΩ,1/16W		R8020	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6117	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W		R8021	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6118	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R8022	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6122	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R8023	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6124	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R8024	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6201	NRVA6AD-243W	CMF RESISTOR 24kΩ,1/16W		R8025	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6203	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W		R8026	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6204	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W		R8027	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R6205	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W		R8030	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6206	NRVA6AD-183W	CMF RESISTOR 18kΩ,1/16W		R8031	NRSA6AJ-223W	MG RESISTOR 22kΩ,1/16W
	R6207	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W		R8035	NRSA6AJ-331W	MG RESISTOR 330Ω,1/16W
	R6208	NRVA6AD-123W	CMF RESISTOR 12kΩ,1/16W		R8038	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6209	NRVA6AD-153W	CMF RESISTOR 15kΩ,1/16W		R8056	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6210	NRVA6AD-183W	CMF RESISTOR 18kΩ,1/16W		R8059	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R6212	NRVA6AD-472W	CMF RESISTOR 4.7kΩ,1/16W		R8060	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6213	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W		R8401	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W
	R6214	NRSA6AJ-152W	MG RESISTOR 1.5kΩ,1/16W		R8402	NRS181J-220X	MG RESISTOR 22Ω,1/8W
	R6215	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W		R8403	NRS181J-220X	MG RESISTOR 22Ω,1/8W
	R6217	NRSA6AJ-151W	MG RESISTOR 150Ω,1/16W		R8404	NRSA6AJ-152W	MG RESISTOR 1.5kΩ,1/16W
	R6218	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W		R8406	NRSA6AJ-153W	MG RESISTOR 15kΩ,1/16W
	R6219	NRVA6AD-243W	CMF RESISTOR 24kΩ,1/16W		R8407	NRSA6AJ-0R0W	MG RESISTOR 0Ω,1/16W
	R6220	NRVA6AD-302W	CMF RESISTOR 3kΩ,1/16W		R8408	NRSA6AJ-223W	MG RESISTOR 22kΩ,1/16W
	R6221	NRVA6AD-104W	CMF RESISTOR 100kΩ,1/16W		R8409	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
RA1001	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1413	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
RA1002	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1414	NCBA1CK-103W	CAPACITOR	0.01μF,16V
RA1003	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1415	NCBA1CK-103W	CAPACITOR	0.01μF,16V
RA1004	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1416	NCBA1CK-103W	CAPACITOR	0.01μF,16V
RA1005	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1417	NCBA1CK-223W	CAPACITOR	0.022μF,16V
RA1006	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1418	NCBA1CK-223W	CAPACITOR	0.022μF,16V
RA1007	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1419	NCBA1CK-223W	CAPACITOR	0.022μF,16V
RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ	C1420	NCBA1CK-223W	CAPACITOR	0.022μF,16V
RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ	C1601	NCBA1CK-103W	CAPACITOR	0.01μF,16V
RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ	C1602	NBE21AM-106X	T CAPACITOR	10μF,10V
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ	C1603	NBE21AM-106X	T CAPACITOR	10μF,10V
RA1402	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1605	NCBA1AK-104W	CAPACITOR	0.1μF,10V
RA1403	NRZ0034-102W	NETWORK RESISTOR	1kΩ	C1606	NCB31HK-152X	CAPACITOR	0.0015μF,50V
RA4301	NRZ0034-101W	NETWORK RESISTOR	100Ω	C1607	NCBA1AK-473W	CAPACITOR	0.047μF,10V
RA4302	NRZ0034-101W	NETWORK RESISTOR	100Ω	C1614	NBE21AM-106X	T CAPACITOR	10μF,10V
RA4303	NRZ0034-101W	NETWORK RESISTOR	100Ω	C1618	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
RA4304	NRZ0034-100W	NETWORK RESISTOR	10Ω	C1619	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
RA4305	NRZ0034-100W	NETWORK RESISTOR	10Ω	C1620	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
RA4306	NRZ0034-100W	NETWORK RESISTOR	10Ω	C1621	NCB21CK-105X	CAPACITOR	1μF,16V
RA8401	NRZ0034-221W	NETWORK RESISTOR	220Ω	C1622	NCBA1CK-223W	CAPACITOR	0.022μF,16V
RA8402	NRZ0034-221W	NETWORK RESISTOR	220Ω	C1623	NCBA1AK-473W	CAPACITOR	0.047μF,10V
RA8403	NRZ0034-100W	NETWORK RESISTOR	10Ω	C1624	NCBA1CK-103W	CAPACITOR	0.01μF,16V
RA8404	NRZ0034-100W	NETWORK RESISTOR	10Ω	C1625	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C1001	NBE20JM-226X	T CAPACITOR	22μF,6.3V	C1626	NCBA1HK-331W	CAPACITOR	330pF,50V
C1002	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C1627	NCBA1CK-822W	CAPACITOR	0.0082μF,16V
C1003	NBE20JM-226X	T CAPACITOR	22μF,6.3V	C1628	NCB21CK-224X	CAPACITOR	0.22μF,16V
C1004	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C1632	NBE21AM-106X	T CAPACITOR	10μF,10V
C1005	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C1633	NCB21CK-474X	CAPACITOR	0.47μF,16V
C1006	NDCA1HJ-130W	CAPACITOR	13pF,50V	C1635	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1007	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C1641	NCB21CK-474X	CAPACITOR	0.47μF,16V
C1008	NCBA1CK-103W	CAPACITOR,A,B,E	0.01μF,16V	C2001	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1009	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2002	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1010	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2004	NCB21CK-105X	CAPACITOR	1μF,16V
C1011	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2005	NCB21CK-105X	CAPACITOR	1μF,16V
C1012	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2006	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C1013	NCBA1CK-103W	CAPACITOR,A,B,E	0.01μF,16V		NCBA1CK-103W	CAPACITOR,A,B,C,D,E,F,H	0.01μF,16V
C1014	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2007	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V		NCBA1CK-103W	CAPACITOR,A,B,C,D,E,F,H	0.01μF,16V
C1016	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2008	NCB21CK-105X	CAPACITOR	1μF,16V
C1017	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2009	NCB21CK-105X	CAPACITOR	1μF,16V
C1018	NCBA1CK-103W	CAPACITOR,A,B,E	0.01μF,16V	C2010	NCB21CK-105X	CAPACITOR	1μF,16V
C1019	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2011	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1023	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2012	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1026	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2013	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1027	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2014	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1028	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2015	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1029	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2016	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1030	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C2017	NCBA1AK-333W	CAPACITOR	0.033μF,10V
C1031	NCB30JK-105X	CAPACITOR	1μF,6.3V	C2018	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1036	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2019	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1039	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2020	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1040	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1041	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2101	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1307	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C2102	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1401	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C2103	NCB21CK-105X	CAPACITOR	1μF,16V
C1402	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C2104	NCB21CK-105X	CAPACITOR	1μF,16V
C1405	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2109	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1406	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2110	NCB21CK-105X	CAPACITOR	1μF,16V
C1408	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2111	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C1409	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2112	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C1410	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2113	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C1411	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2114	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C1412	NCFA1AZ-104W	CAPACITOR	0.1μF,10V	C2115	NCB31CK-104X	CAPACITOR	0.1μF,16V

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
C2116	NCB31CK-104X	CAPACITOR	0.1μF,16V	C3502	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2121	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3503	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2122	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C2123	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C2124	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3506	NCB21CK-105X	CAPACITOR	1μF,16V
C2125	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2126	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2131	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2132	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3510	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2133	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3511	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2134	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3512	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2201	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3513	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2202	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3514	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3001	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C3515	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3003	NCB21CK-105X	CAPACITOR	1μF,16V	C3516	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3004	NCB21CK-105X	CAPACITOR	1μF,16V	C3517	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3005	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C3518	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3007	NCB11CK-105X	CAPACITOR	1μF,16V	C3519	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3008	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C3520	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3011	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3521	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3012	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3522	NCB20JM-475X	CAPACITOR	4.7μF,6.3V
C3013	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3523	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3015	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3524	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3016	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3525	NCB20JM-475X	CAPACITOR	4.7μF,6.3V
C3017	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3526	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3020	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3701	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3702	NDCA1HJ-101W	CAPACITOR,G	100pF,50V
C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V		NDCA1HJ-151W	CAPACITOR,A,B,C,D,E,F,H	150pF,50V
C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3703	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3704	NDCA1HJ-101W	CAPACITOR	100pF,50V
C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3705	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	C3706	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V	C3707	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3708	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3709	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3710	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3711	NBE20GM-226X	T CAPACITOR	22μF,4.0V
C3033	NDCA1HJ-470W	CAPACITOR	47pF,50V	C3712	NBE40GM-107X	T CAPACITOR	100μF,4.0V
C3034	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3713	NBE40GM-107X	T CAPACITOR	100μF,4.0V
C3035	NDCA1HJ-330W	CAPACITOR	33pF,50V	C3714	NBE20GM-226X	T CAPACITOR	22μF,4.0V
C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3716	NCBA1CK-103W	CAPACITOR,G	0.01μF,16V
C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3717	NCB30JK-105X	CAPACITOR,G	1μF,6.3V
C3040	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3718	NCB30JK-105X	CAPACITOR,G	1μF,6.3V
C3041	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3901	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3902	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3903	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3904	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3905	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3906	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3047	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3907	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3908	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3052	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3909	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3053	NCBA1AK-473W	CAPACITOR	0.047μF,10V	C3910	NCBA1CK-103W	CAPACITOR,G	0.01μF,16V
C3056	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3911	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3057	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3912	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3058	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3913	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3060	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3914	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3061	NCB21CK-105X	CAPACITOR	1μF,16V	C3915	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3062	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3916	NBE20JM-106X	T CAPACITOR,G	10μF,6.3V
C3063	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3917	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V
C3064	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3919	NCB21CK-105X	CAPACITOR,G	1μF,16V
C3501	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C3920	NBE20JM-106X	T CAPACITOR,G	10μF,6.3V

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
C3923	NBE20JM-106X	T CAPACITOR,G	10μF,6.3V	C4337	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3951	NBE20JM-226X	T CAPACITOR,G	22μF,6.3V	C4338	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3954	NCBA1AK-104W	CAPACITOR,G	0.1μF,10V	C4339	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3955	NDCA1HJ-3R0W	CAPACITOR,G	3pF,50V	C4340	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3956	NDCA1HJ-5R0W	CAPACITOR,G	5pF,50V	C4341	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3957	NDCA1HJ-330W	CAPACITOR,G	33pF,50V	C4342	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3958	NCB20JM-475X	CAPACITOR,G	4.7μF,6.3V	C4343	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3959	NCBA1CK-103W	CAPACITOR,G	0.01μF,16V	C4344	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3961	NCBA1HK-102W	CAPACITOR,G	0.001μF,50V	C4345	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3962	NDCA1HJ-3R0W	CAPACITOR,G	3pF,50V	C4346	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3963	NDCA1HJ-5R0W	CAPACITOR,G	5pF,50V	C4347	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3964	NDCA1HJ-330W	CAPACITOR,G	33pF,50V	C4348	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3965	NCBA1HK-102W	CAPACITOR,G	0.001μF,50V	C4349	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3967	NCBA1CK-103W	CAPACITOR,G	0.01μF,16V	C4350	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3968	NCBA1CK-103W	CAPACITOR,G	0.01μF,16V	C4803	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4201	NBE40GM-107X	T CAPACITOR	100μF,4.0V	C4804	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4202	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4805	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4203	NCB30JK-105X	CAPACITOR	1μF,6.3V	C4806	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4204	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4808	NCB30JK-105X	CAPACITOR	1μF,6.3V
C4205	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4809	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4206	NCB21CK-105X	CAPACITOR	1μF,16V	C4810	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4207	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4811	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4208	NCBA1HK-392W	CAPACITOR	0.0039μF,50V	C4812	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4209	NCB30JK-105X	CAPACITOR	1μF,6.3V	C4813	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4210	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4814	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4211	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4815	NCB31HK-152X	CAPACITOR	0.0015μF,50V
C4212	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4819	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4213	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4851	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4214	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4852	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4215	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4853	NBE21AM-335X	T CAPACITOR	3.3μF,10V
C4216	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4854	NBE21AM-106X	T CAPACITOR	10μF,10V
C4301	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4855	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4303	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4858	NDCA1HJ-330W	CAPACITOR	33pF,50V
C4304	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4859	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4305	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C4860	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4306	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4861	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4307	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C4862	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4308	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4864	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4309	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4865	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4310	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C5501	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4311	NCB30JK-105X	CAPACITOR	1μF,6.3V	C5503	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4312	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5504	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4313	NBE20JM-226X	T CAPACITOR	22μF,6.3V	C5505	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4314	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5506	NBE40JM-476X	T CAPACITOR	47μF,6.3V
C4315	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C5507	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4317	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5508	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5509	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4319	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5510	NBP21VM-105X	T CAPACITOR	1μF,35V
C4320	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5511	NBP21DM-475X	T CAPACITOR	4.7μF,20V
C4321	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5512	NBE21AM-106X	T CAPACITOR	10μF,10V
C4323	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5513	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4324	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C5514	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4325	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5515	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4327	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5516	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4328	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5517	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4329	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5518	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4330	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5519	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4331	NBE20JM-106X	T CAPACITOR	10μF,6.3V	C6001	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4332	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6004	NCB21CK-105X	CAPACITOR	1μF,16V
C4333	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6005	NDCA1HJ-101W	CAPACITOR	100pF,50V
C4334	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6101	NCB21CK-105X	CAPACITOR	1μF,16V
C4335	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6102	NEA71CM-106X	E CAPACITOR	10μF,16V
C4336	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6103	NCB21CK-105X	CAPACITOR	1μF,16V

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
C6105	NCB21CK-105X	CAPACITOR	1μF,16V	C8006	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6106	NCB21CK-105X	CAPACITOR	1μF,16V	C8007	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6107	NCB21CK-105X	CAPACITOR	1μF,16V	C8008	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6108	NCB21CK-105X	CAPACITOR	1μF,16V	C8009	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6109	NCB21CK-105X	CAPACITOR	1μF,16V	C8010	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6110	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6111	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8012	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6112	NCBA1AK-333W	CAPACITOR	0.033μF,10V	C8013	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6113	NCBA1HK-561W	CAPACITOR	560pF,50V	C8014	NBE40JM-476X	T CAPACITOR	47μF,6.3V
C6114	NCBA1HK-272W	CAPACITOR	0.0027μF,50V	C8015	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6115	NCBA1HK-561W	CAPACITOR	560pF,50V	C8016	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6116	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8017	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C6117	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8018	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6118	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8019	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6119	NDCA1HJ-101W	CAPACITOR	100pF,50V	C8020	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6120	NCB11CK-105X	CAPACITOR	1μF,16V	C8021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6121	NCB31CK-104X	CAPACITOR	0.1μF,16V	C8022	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6122	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C8023	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6123	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8024	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6124	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8025	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6125	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8026	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6126	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8039	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6127	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C8040	NDCA1HJ-270W	CAPACITOR	27pF,50V
C6128	NCB21CK-105X	CAPACITOR	1μF,16V	C8045	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6129	NCBA1HK-561W	CAPACITOR	560pF,50V	C8046	NBE21AM-106X	T CAPACITOR	10μF,10V
C6131	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8047	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6132	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8401	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6133	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8402	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6201	NCB21CK-105X	CAPACITOR	1μF,16V	C8403	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6202	NCB10JK-106X	CAPACITOR	10μF,6.3V	C8404	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6203	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C8405	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6204	NCBA1HK-561W	CAPACITOR	560pF,50V	C8406	NBE21AM-106X	T CAPACITOR	10μF,10V
C6205	NCB21CK-105X	CAPACITOR	1μF,16V	C8407	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6206	NCB21CK-105X	CAPACITOR	1μF,16V	C8408	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6207	NCB10JK-106X	CAPACITOR	10μF,6.3V	C8409	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6208	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	L1001	NQL315K-100X	COIL	10μH
C6209	NCB21CK-105X	CAPACITOR	1μF,16V	L1002	NQL315K-100X	COIL	10μH
C6210	NCB10JK-106X	CAPACITOR	10μF,6.3V	L1401	NQR0006-001X	FERRITE BEAD	
C6211	NCBA1HK-102W	CAPACITOR	0.001μF,50V	L1402	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
C6212	NCB21CK-105X	CAPACITOR	1μF,16V	L2001	NQL315K-100X	COIL	10μH
C6213	NCB11EK-105X	CAPACITOR	1μF,25V	L2002	NQL38DK-220X	COIL	22μH
C6214	NCB21CK-105X	CAPACITOR	1μF,16V	L3001	NQR0006-001X	FERRITE BEAD	
C6215	NCB21CK-105X	CAPACITOR	1μF,16V	L3002	NQR0129-002X	FERRITE BEAD	
C6216	NCBA1AK-683W	CAPACITOR	0.068μF,10V	L3003	NQR0129-002X	FERRITE BEAD	
C6217	NCB21CK-105X	CAPACITOR	1μF,16V	L3004	NQR0006-001X	FERRITE BEAD	
C6218	NCB21CK-105X	CAPACITOR	1μF,16V	L3005	NQR0129-002X	FERRITE BEAD	
C6219	NCB21CK-224X	CAPACITOR	0.22μF,16V	L3006	NQR0006-001X	FERRITE BEAD	
C6220	NCB21CK-105X	CAPACITOR	1μF,16V	L3007	NQL085J-2R2X	COIL	2.2μH
C6221	NCB11EK-105X	CAPACITOR	1μF,25V	L3008	NQL085J-120X	COIL	12μH
C6222	NCB11EK-105X	CAPACITOR	1μF,25V	L3009	NQL085J-120X	COIL	12μH
C6224	NCBA1HK-102W	CAPACITOR	0.001μF,50V	L3012	NQR0006-001X	FERRITE BEAD	
C6225	NCBA1CK-103W	CAPACITOR	0.01μF,16V	L3013	NQR0006-001X	FERRITE BEAD	
C6226	NCB21CK-105X	CAPACITOR	1μF,16V	L3501	NQR0129-002X	FERRITE BEAD	
C6227	NCB11EK-105X	CAPACITOR	1μF,25V	L3502	NQL302N-100X	COIL	10μH
C6228	NCB11EK-105X	CAPACITOR	1μF,25V	L3503	NQR0006-001X	FERRITE BEAD	
C6230	NCB21CK-105X	CAPACITOR	1μF,16V	L3504	NQR0006-001X	FERRITE BEAD	
C6231	NCBA1CK-103W	CAPACITOR	0.01μF,16V	L3505	NQR0006-001X	FERRITE BEAD	
C6701	NCB21CK-105X	CAPACITOR	1μF,16V	L3701	NQL38DK-100X	COIL	10μH
C6703	NCB11CK-105X	CAPACITOR	1μF,16V	L3901	NQR0006-001X	FERRITE BEAD,G	
C8001	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3902	NQR0129-002X	FERRITE BEAD,G	
C8002	NBE20JM-106X	T CAPACITOR	10μF,6.3V	L3904	NQL38DK-100X	COIL,G	10μH
C8003	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3951	NQL302N-100X	COIL,G	10μH
C8005	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3952	NQL085J-6R8X	COIL,G	6.8μH

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
L3953	NQL085J-6R8X	COIL,G	6.8μH	- PULL DOWN BOARD ASSEMBLY -			
L4201	NQR0129-002X	FERRITE BEAD		PW2	YB20835E	PULL DOWN BOARD ASSY	
L4301	NQR0129-002X	FERRITE BEAD		C1	NDC31HJ-151X	CAPACITOR	150pF,50V
L4302	NQR0129-002X	FERRITE BEAD		J1	YU40017-015-1	THIN WIRE,TO C5506- ⊖	
L4303	NQL38DK-100X	COIL	10μH	J2	YU40017-020-2	THIN WIRE,TO C5510- ⊕	
L4304	NQL38DK-100X	COIL	10μH	*****			
L4305	NQR0129-002X	FERRITE BEAD		MONITOR BOARD ASSEMBLY <02>			
L4306	NQR0129-002X	FERRITE BEAD		PW1	YB10324L1-03	MONITOR BOARD ASSY,E,F,G	
L4307	NQL38DK-100X	COIL	10μH		YB10324N1-03	MONITOR BOARD ASSY,H	
L4802	NQL302N-100X	COIL	10μH		YB10324O1-03	MONITOR BOARD ASSY,A,B	
L4851	NQR0129-002X	FERRITE BEAD			YB10326O-01	MONITOR BOARD ASSY,C,D	
L4852	NQL38DK-100X	COIL	10μH	IC7101	MM1385EN	IC	
L4853	NQL38DK-100X	COIL	10μH	IC7601	AN2540FHQ	IC	
L5501	NQL38DK-100X	COIL	10μH	IC7602	BA15532F	IC	
L5502	NQR0129-002X	FERRITE BEAD		IC7603	X25057M8-2.7-X	IC	
L5503	NQR0129-002X	FERRITE BEAD		IC7604	SN74LV08APW	IC	
L5504	NQR0129-002X	FERRITE BEAD		Q7101	2SA1774/QR/-X	TRANSISTOR,A,B,C,D,H	
L5505	NQL38DK-100X	COIL	10μH	Q7601	2SC4617/QR/-X	TRANSISTOR	
L5506	NQL38DK-100X	COIL	10μH	Q7602	2SA1774/QR/-X	TRANSISTOR	
L6101	NQLZ011-4R7X	COIL	4.7μH	Q7603	2SC4617/QR/-X	TRANSISTOR	
L6102	NQLZ011-4R7X	COIL	4.7μH	Q7604	2SA1774/QR/-X	TRANSISTOR	
L6201	NQLZ011-390X	COIL	39μH	Q7605	DTA144EE	TRANSISTOR,E,F,G,H	
L6202	NQLZ011-390X	COIL	39μH		or RN2104	TRANSISTOR,E,F,G,H	
L6203	NQLZ011-390X	COIL	39μH	Q7606	DTC144EE	TRANSISTOR,E,F,G,H	
L6204	NQL144K-220X	COIL	22μH		or UN9213J	TRANSISTOR,E,F,G,H	
L6205	NQL35BK-100X	COIL	10μH		or RN1104	TRANSISTOR,E,F,G,H	
L6206	NQLZ011-470X	COIL	47μH	Q7607	UMZ1N	PAIR TRANSISTOR,E,F,G	
L6207	NQLZ011-470X	COIL	47μH	Q7608	DTC144EE	TRANSISTOR	
L6208	NQLZ011-221X	COIL	220μH		or RN1104	TRANSISTOR	
L6209	NQL144K-221X	COIL	220μH		or UN9213J	TRANSISTOR	
L6210	NQL144K-220X	COIL	22μH	Q7609	DTC144EE	TRANSISTOR	
L6701	NQLZ007-100X	COIL	10μH		or RN1104	TRANSISTOR	
L8001	NQL38DK-100X	COIL	10μH		or UN9213J	TRANSISTOR	
L8002	NQL034K-150X	COIL	15μH	Q7610	DTA144EE	TRANSISTOR	
L8003	NQR0006-001X	FERRITE BEAD			or RN2104	TRANSISTOR	
L8401	NQR0006-001X	FERRITE BEAD			or UN9113J	TRANSISTOR	
L8402	NQR0006-001X	FERRITE BEAD		D1	SML-110LT-X	LE DIODE,TALLY	
X1001	NAX0474-001X	C OSCILLATOR		D7601	RB471E	SB DIODE	
X1002	NAX0325-001X	CRYSTAL RESONATOR		R1	NRSA63J-103X	MG RESISTOR	10kΩ, 1/16W
X5501	NAX0356-001X	CXO		R2	NRSA63J-103X	MG RESISTOR	10kΩ, 1/16W
X8001	NAX0354-001X	RESONATOR		R3	NRSA63J-103X	MG RESISTOR	10kΩ, 1/16W
X8401	NAX0398-001X	C OSCILLATOR		R4	NRSA63J-152X	MG RESISTOR	1.5kΩ, 1/16W
S6001	NSW0096-001X	SLIDE SWITCH,CPU ROM,A,B,E		R5	NRSA63J-182X	MG RESISTOR	1.8kΩ, 1/16W
WR1	WJT0045-001A	E-CARD WIRE,CN103-JACK		R6	NRSA63J-272X	MG RESISTOR	2.7kΩ, 1/16W
WR2	WJJ0206-001A	E-SI C WIRE C-C,CN104-REAR		R10	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
J101	NNZ0041-001X	D CONNECTOR		R11	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN101	QGF0508F1-50X	FPC CONNECTOR		R12	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN102	QGA1002F1-09X	CONNECTOR		R13	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN103	QGF0505F2-14X	FPC CONNECTOR		R14	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN104	QGA1002C1-10X	CONNECTOR		R15	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN105	QGB0801K2-20X	CONNECTOR		R16	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN106	QGA1201F2-03X	CONNECTOR		R17	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
CN107	QGF0507F3-20X	FFC/FPC CONNECTOR					
CN108	QGF0507F3-24X	FFC/FPC CONNECTOR					
CN109	QGF0507F3-15X	FFC/FPC CONNECTOR					
CN110	QGF0505F1-08X	FPC CONNECTOR					
CN111	QGF0503C1-06V	FFC/FPC CONNECTOR					
CN112	QGF0505F2-18X	FPC CONNECTOR					
CN113	QGF0508F1-34X	FPC CONNECTOR					
▲ F6101	NMFZ007-2R0X-K	FUSE	T2.0A				
OT1	LY43018-001A	SHIELD SHEET					
SD1	LY32080-001A	SHIELD CASE					

#	△	REF No.	PART No.	PART NAME, DESCRIPTION		#	△	REF No.	PART No.	PART NAME, DESCRIPTION	
R18			NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	C7608			NCB31EK-103X	CAPACITOR	0.01μF,25V
R19			NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	C7609			NCB31CK-104X	CAPACITOR	0.1μF,16V
R21			NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	C7610			NCB11CK-225X	CAPACITOR	2.2μF,16V
R22			NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	C7611			NCB11CK-225X	CAPACITOR	2.2μF,16V
R23			NRSA63J-104X	MG RESISTOR	100kΩ,1/16W	C7612			NCB11CK-225X	CAPACITOR	2.2μF,16V
R24			NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	C7613			NCB11CK-225X	CAPACITOR	2.2μF,16V
R27			NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	C7614			NCB31HK-152X	CAPACITOR	0.0015μF,50V
R7101			NRSA63J-562X	MG RESISTOR,A,B,C,D,H	5.6kΩ,1/16W	C7615			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7102			NRSA63J-562X	MG RESISTOR,A,B,C,D,H	5.6kΩ,1/16W	C7616			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7103			NRSA63J-103X	MG RESISTOR,A,B,C,D,H	10kΩ,1/16W	C7617			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7104			NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	C7618			NCB10JK-106X	CAPACITOR	10μF,6.3V
R7110			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7619			NCB10JK-106X	CAPACITOR	10μF,6.3V
R7111			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7620			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7112			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7621			NCB21CK-105X	CAPACITOR	1μF,16V
R7113			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7622			NCB21CK-105X	CAPACITOR	1μF,16V
R7114			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7623			NBE21AM-106X	T CAPACITOR	10μF,10V
R7115			NRSA63J-0R0X	MG RESISTOR,A,B,C,D,H	0Ω,1/16W	C7624			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7601			NRVA63D-622X	CMF RESISTOR	6.2kΩ,1/16W	C7626			NCB31CK-104X	CAPACITOR	0.1μF,16V
R7602			NRSA63J-153X	MG RESISTOR	15kΩ,1/16W	C7627			NCF31CZ-104X	CAPACITOR	0.1μF,16V
R7603			NRSA63J-683X	MG RESISTOR	68kΩ,1/16W	C7628			NBP41EM-475X	T CAPACITOR	4.7μF,25V
R7608			NRSA63J-153X	MG RESISTOR	15kΩ,1/16W	C7629			NBP21CM-335X	T CAPACITOR	3.3μF,16V
R7609			NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W	C7630			NBP41EM-475X	T CAPACITOR	4.7μF,25V
R7610			NRVA63D-433X	CMF RESISTOR	43kΩ,1/16W	C7631			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7611			NRVA63D-821X	CMF RESISTOR	820Ω,1/16W	C7632			NBP41EM-475X	T CAPACITOR	4.7μF,25V
R7612			NRVA63D-682X	CMF RESISTOR,E,F,G,H	6.8kΩ,1/16W	C7633			NCB31EK-103X	CAPACITOR	0.01μF,25V
			NRVA63D-223X	CMF RESISTOR,A,B,C,D	22kΩ,1/16W	C7634			NCB10JK-106X	CAPACITOR	10μF,6.3V
R7613			NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W	C7635			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7614			NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W	C7636			NCF31CZ-104X	CAPACITOR,E,F,G,H	0.1μF,16V
R7615			NRSA63J-223X	MG RESISTOR	22kΩ,1/16W	C7637			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7616			NRSA63J-223X	MG RESISTOR	22kΩ,1/16W	C7638			NCB21AK-225X	CAPACITOR,E,F,G	2.2μF,10V
R7617			NRSA02J-561X	MG RESISTOR	560Ω,1/10W	C7639			NBE21AM-106X	T CAPACITOR,E,F,G	10μF,10V
R7618			NRSA02J-561X	MG RESISTOR	560Ω,1/10W	C7640			NCB31EK-103X	CAPACITOR	0.01μF,25V
R7621			NRSA63J-0R0X	MG RESISTOR,A,B,C,D	0Ω,1/16W	C7642			NCF31CZ-104X	CAPACITOR	0.1μF,16V
R7622			NRSA63J-223X	MG RESISTOR,E,F,G,H	22kΩ,1/16W	L10			NQR0129-002X	FERRITE BEAD	
R7623			NRSA63J-223X	MG RESISTOR,E,F,G,H	22kΩ,1/16W	L7601			NQL315K-100X	COIL	10μH
R7624			NRVA63D-223X	CMF RESISTOR,E,F,G,H	22kΩ,1/16W	L7602			NQL315K-100X	COIL	10μH
R7625			NRVA63D-223X	CMF RESISTOR,E,F,G,H	22kΩ,1/16W	L7604			NQL315K-100X	COIL	10μH
R7626			NRVA63D-183X	CMF RESISTOR,E,F,G	18kΩ,1/16W	L7605			NQL315K-100X	COIL,A,B,C,D	10μH
R7627			NRVA63D-334X	CMF RESISTOR,E,F,G	330kΩ,1/16W	L7606			NQL315K-100X	COIL,E,F,G,H	10μH
R7628			NRSA63J-224X	MG RESISTOR,E,F,G	220kΩ,1/16W	L7607			NQL315K-100X	COIL	10μH
R7629			NRSA63J-393X	MG RESISTOR,E,F,G	39kΩ,1/16W	SW1			NSW0092-001X	SLIDE SWITCH,LIGHT	
R7630			NRSA63J-223X	MG RESISTOR	22kΩ,1/16W	SW2			NSW0008-001X	TACT SWITCH,STOP	
R7631			NRSA63J-335X	MG RESISTOR	3.3MΩ,1/16W	SW3			NSW0008-001X	TACT SWITCH,REW	
R7633			NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	SW4			NSW0008-001X	TACT SWITCH,FF	
R7640			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	SW5			NSW0008-001X	TACT SWITCH,PLAY/PAUSE	
R7641			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	SW6			NSW0099-001X	SLIDE SWITCH,DSC	
R7642			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	SW7601			NSW0105-001X	DETECT SWITCH,OPEN	
R7643			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	CN761			QGF0508F1-50X	FPC CONNECTOR	
R7644			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	CN763			QGF0507F3-20X	FFC/FPC CONNECTOR	
R7645			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	CN764			QGF0305F1-33X	FPC CONNECTOR	
R7646			NRSA63J-0R0X	MG RESISTOR,E,F,G	0Ω,1/16W	CN765			QGA1201F2-02X	CONNECTOR	
C1			NCB31EK-103X	CAPACITOR	0.01μF,25V	CN766			NNZ0058-001X	SD CARD CONNECTOR	
C11			NBE20JM-106X	T CAPACITOR	10μF,6.3V	△ BT1			QAB0025-001	LI BATTERY	
C7101			NCF31CZ-104X	CAPACITOR	0.1μF,16V	OT1			LY43043-001B	SHIELD SHEET	
C7102			NCB31HK-103X	CAPACITOR	0.01μF,50V	OT2			LY43119-001A	SHIELD SHEET,A,B,C,D,H	
C7103			NBE20JM-475X	T CAPACITOR,A,B,C,D,H	4.7μF,6.3V						
C7601			NCB21CK-105X	CAPACITOR	1μF,16V						
C7602			NCB31EK-103X	CAPACITOR	0.01μF,25V						
C7603			NCB11CK-225X	CAPACITOR	2.2μF,16V						
C7604			NCB11CK-225X	CAPACITOR	2.2μF,16V						
C7605			NCB11CK-225X	CAPACITOR	2.2μF,16V						
C7606			NCB31CK-104X	CAPACITOR	0.1μF,16V						
C7607			NBP41CM-106X	T CAPACITOR	10μF,16V						

△ REF No. PART No. PART NAME, DESCRIPTION

LCD BL BOARD ASSEMBLY <03>

PW2	YB10324A2-02	LCD BL BOARD ASSY,E,F,G,H	
	YB10324B2-02	LCD BL BOARD ASSY,A,B	
	YB10325B	LCD BL BOARD ASSY,C,D	
IC751	MIP805	IC,E,F,G,H	
Q7501	2SC3647/ST/-X	POW TRANSISTOR	
Q7502	2SC3647/ST/-X	POW TRANSISTOR	
Q7503	DTA144EE	TRANSISTOR	
	or RN2104	TRANSISTOR	
	or UN9113J	TRANSISTOR	
Q7504	2SC4617/QR/-X	TRANSISTOR	
D751	1SS376	DIODE,E,F,G,H	
R751	NRSA63J-104X	MG RESISTOR,E,F,G,H	100kΩ, 1/16W
R7501	NRSA63J-102X	MG RESISTOR	1kΩ, 1/16W
R7502	NRSA63J-102X	MG RESISTOR	1kΩ, 1/16W
R7503	NRSA63J-102X	MG RESISTOR	1kΩ, 1/16W
R7506	NRSA63J-473X	MG RESISTOR	47kΩ, 1/16W
R7507	NRSA63J-473X	MG RESISTOR	47kΩ, 1/16W
C751	NBE20JM-106X	T CAPACITOR,E,F,G,H	10μF,6.3V
C752	NBE20JM-106X	T CAPACITOR,E,F,G,H	10μF,6.3V
C753	NCB31HK-222X	CAPACITOR,E,F,G,H	0.0022μF,50V
C754	NCB31HK-222X	CAPACITOR,E,F,G,H	0.0022μF,50V
C7501	NCZ1016-120X	CAPACITOR	12pF,2k
C7503	NFV41HJ-223X	MPPS CAPACITOR	0.022μF,50V
C7504	NCB31EK-103X	CAPACITOR	0.01μF,25V
C7505	NBE20JM-226X	T CAPACITOR	22μF,6.3V
L751	NQLZ011-681X	COIL,E,F,G,H	680μH
L752	NQL315K-100X	COIL,E,F,G,H	10μH
L7501	NQLZ010-680X	COIL	68μH
L7502	NQLZ010-220X	COIL	22μH
T7501	NQS0048-001X	SW TRANSF	
CN751	QGF0506F2-32X	FPC CONNECTOR	
CN752	QGF0505F1-24X	FPC CONNECTOR	
CN753	QGA5002F1-02X	CONNECTOR	
CN754	QGF0505F2-06X	FPC CONNECTOR,E,F,G,H	
△ F751	NMF2007-R20X-K	FUSE,E,F,G,H	T0.2A
△ F7501	NMF2009-R375XJ1	FUSE	T0.37A
OT1	LY41726-001A	PLATE(EARTH)	

CCD BOARD ASSEMBLY <04>

PW	YB10316A-01	CCD BOARD ASSY	
Q5001	2SC3931/CD/-X	TRANSISTOR	
R5001	NRSA02J-472X	MG RESISTOR	4.7kΩ, 1/10W
R5002	NRSA02J-0R0X	MG RESISTOR	0Ω, 1/10W
R5003	NRSA02J-104X	MG RESISTOR	100kΩ, 1/10W
R5004	NRS181J-0R0X	MG RESISTOR	0Ω, 1/8W
R5006	NRSA02J-0R0X	MG RESISTOR	0Ω, 1/10W
R5007	NRS181J-0R0X	MG RESISTOR	0Ω, 1/8W
C5001	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5002	NBP41DM-106X	T CAPACITOR	10μF,20V
C5003	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5004	NBE21AM-106X	T CAPACITOR	10μF,10V
C5005	NCB11EK-104X	CAPACITOR	0.1μF,25V
C5006	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5007	NCB21HK-222X	CAPACITOR	0.0022μF,50V
C5011	NCB21CK-105X	CAPACITOR	1μF,16V
L5001	NQL315K-100X	COIL	10μH

△ REF No. PART No. PART NAME, DESCRIPTION

JUNCTION BOARD ASSEMBLY <05>

PW2	YB10314A2-01	JUNCTION BOARD ASSY	
D571	SML-010MT-X	LE DIODE	
SW571	NSW0120-002X	PUSH SWITCH	
CN571	QGF0508F1-34X	FPC CONNECTOR	
CN572	QGF0507F3-15X	FFC/FPC CONNECTOR	
CN573	QGF0505F2-11X	FPC CONNECTOR	
CN574	QGF0505F2-06X	FPC CONNECTOR	

JACK BOARD ASSEMBLY <06>

PW1	YB10314B1-02	JACK BOARD ASSY	
IC501	BA10358F-XE	IC	
IC502	RS-171-X	IC(PHOTO SENSOR)	
Q501	RPM-22PB	PHOTO TRANSISTOR	
D501	MA8068	ZENER DIODE	
D502	MA8068	ZENER DIODE	
D504	MA8068	ZENER DIODE	
D505	MA8068	ZENER DIODE	
D506	EMZ6.8N	ZENER DIODE	
R501	NRSA63J-103X	MG RESISTOR	10kΩ, 1/16W
R502	NRSA63J-684X	MG RESISTOR	680kΩ, 1/16W
R503	NRSA63J-182X	MG RESISTOR	1.8kΩ, 1/16W
R504	NRSA63J-222X	MG RESISTOR	2.2kΩ, 1/16W
R505	NRSA63J-103X	MG RESISTOR	10kΩ, 1/16W
R506	NRSA63J-824X	MG RESISTOR	820kΩ, 1/16W
R507	NRSA63J-104X	MG RESISTOR	100kΩ, 1/16W
R508	NRSA63J-683X	MG RESISTOR	68kΩ, 1/16W
R509	NRSA63J-822X	MG RESISTOR	8.2kΩ, 1/16W
R510	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R511	NRSA63J-302X	MG RESISTOR	3kΩ, 1/16W
R512	NRSA63J-470X	MG RESISTOR	47Ω, 1/16W
R513	NRSA63J-101X	MG RESISTOR	100Ω, 1/16W
R514	NRSA63J-101X	MG RESISTOR	100Ω, 1/16W
R515	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R516	NRSA63J-221X	MG RESISTOR	220Ω, 1/16W
R517	NRSA63J-331X	MG RESISTOR	330Ω, 1/16W
R518	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R521	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R522	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R523	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R524	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R525	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R526	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
R527	NRSA63J-0R0X	MG RESISTOR	0Ω, 1/16W
C501	NBE21AM-335X	T CAPACITOR	3.3μF,10V
C502	NCF31CZ-104X	CAPACITOR	0.1μF,16V
C503	NCB31EK-153X	CAPACITOR	0.015μF,25V
C504	NCB31EK-153X	CAPACITOR	0.015μF,25V
C506	NBE21AM-106X	T CAPACITOR	10μF,10V
C509	NBE20JM-226X	T CAPACITOR	22μF,6.3V
C514	NCB31HK-103X	CAPACITOR	0.01μF,50V
C515	NCB31HK-103X	CAPACITOR	0.01μF,50V
L501	NQR0251-004X	FERRITE BEAD	
L502	NQR0251-004X	FERRITE BEAD	

# △ REF No.	PART No.	PART NAME, DESCRIPTION
L503	NQR0251-004X	FERRITE BEAD
TL501	YQ43810-1-1	CONTACT(LIGHT)
TL502	YQ43810-1-1	CONTACT(LIGHT)
HD1	LY32086-001B	HOLDER(J.PWB)
WR1	WJJ0207-002A	E-SI C WIRE C-C,CN501-MAIN CN102
J501	QNS0078-001	3.5 JACK
J502	PEMC1203	MINI JACK
J503	QND0004-001	S JACK
J505	QNZ0497-001	USB CONNECTOR
CN501	QGA1002F1-09X	CONNECTOR
CN502	QGF0507F3-14X	FFC/FPC CONNECTOR
OT1	LY30018-023A	SPECIAL SCREW,X4
OT2	LY30017-023A	SPACER-B,X2

# △ REF No.	PART No.	PART NAME, DESCRIPTION
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SECTION 4 CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions

The Components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

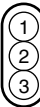
AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



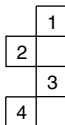
Removable connector



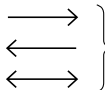
Wire soldered directly on board



Non-removable Board connector



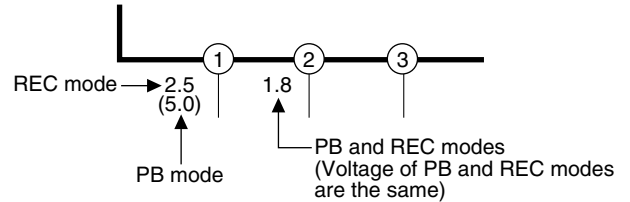
Board to Board



Connected pattern on board
The arrows indicate signal path

4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 4) Indication on schematic diagram
Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

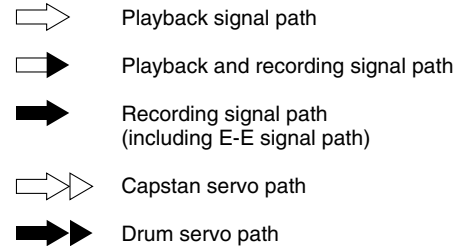


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

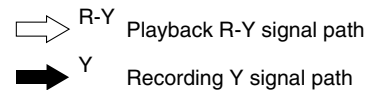
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



(Example)



6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



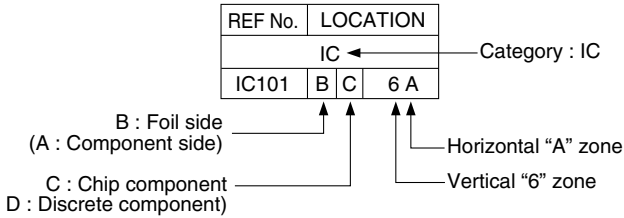
CIRCUIT BOARD NOTES

1. Foil and Component sides

- 1) Foil side (B side) :
Parts on the foil side seen from foil face (pattern face) are indicated.
- 2) Component side (A side) :
Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

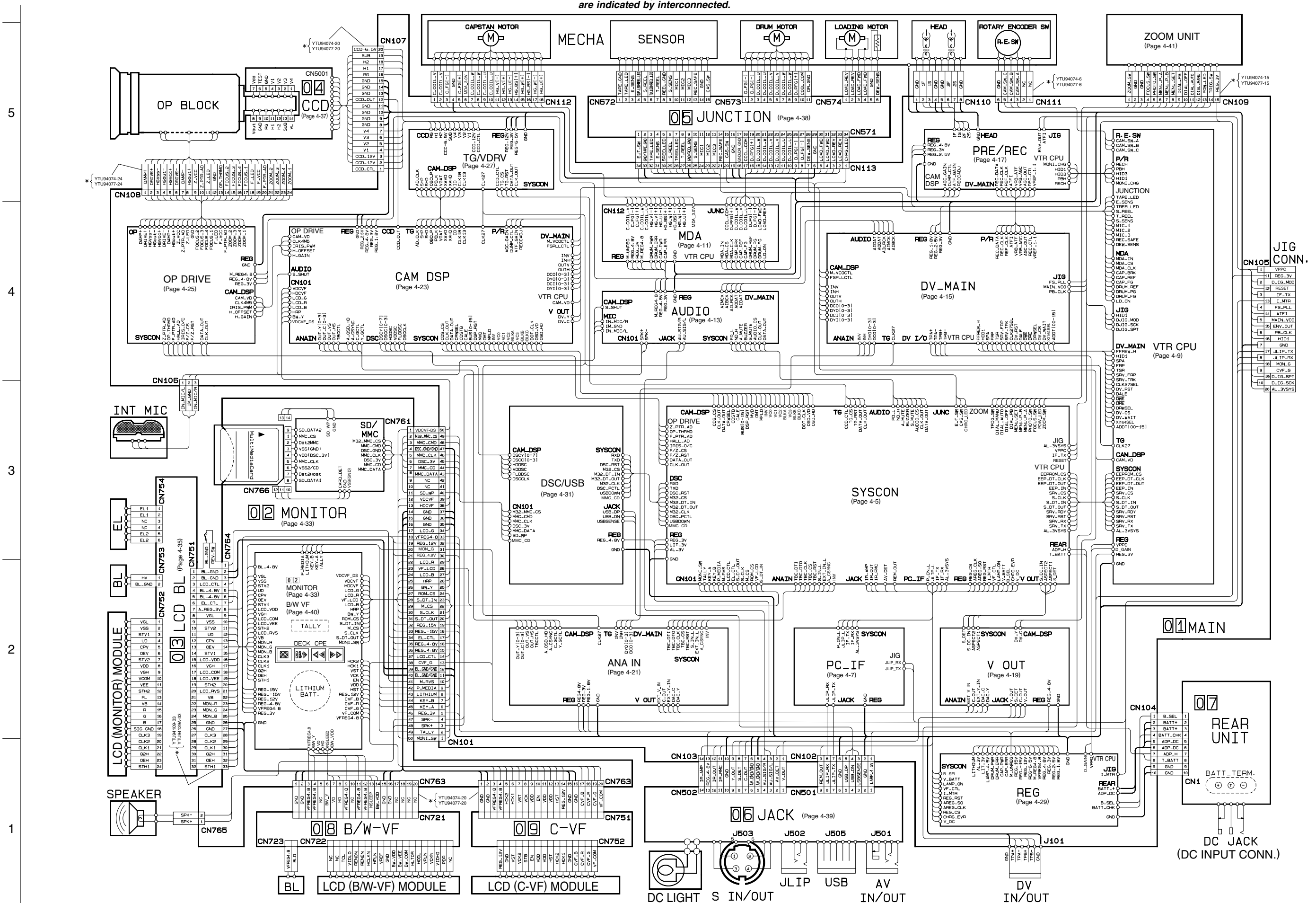
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS

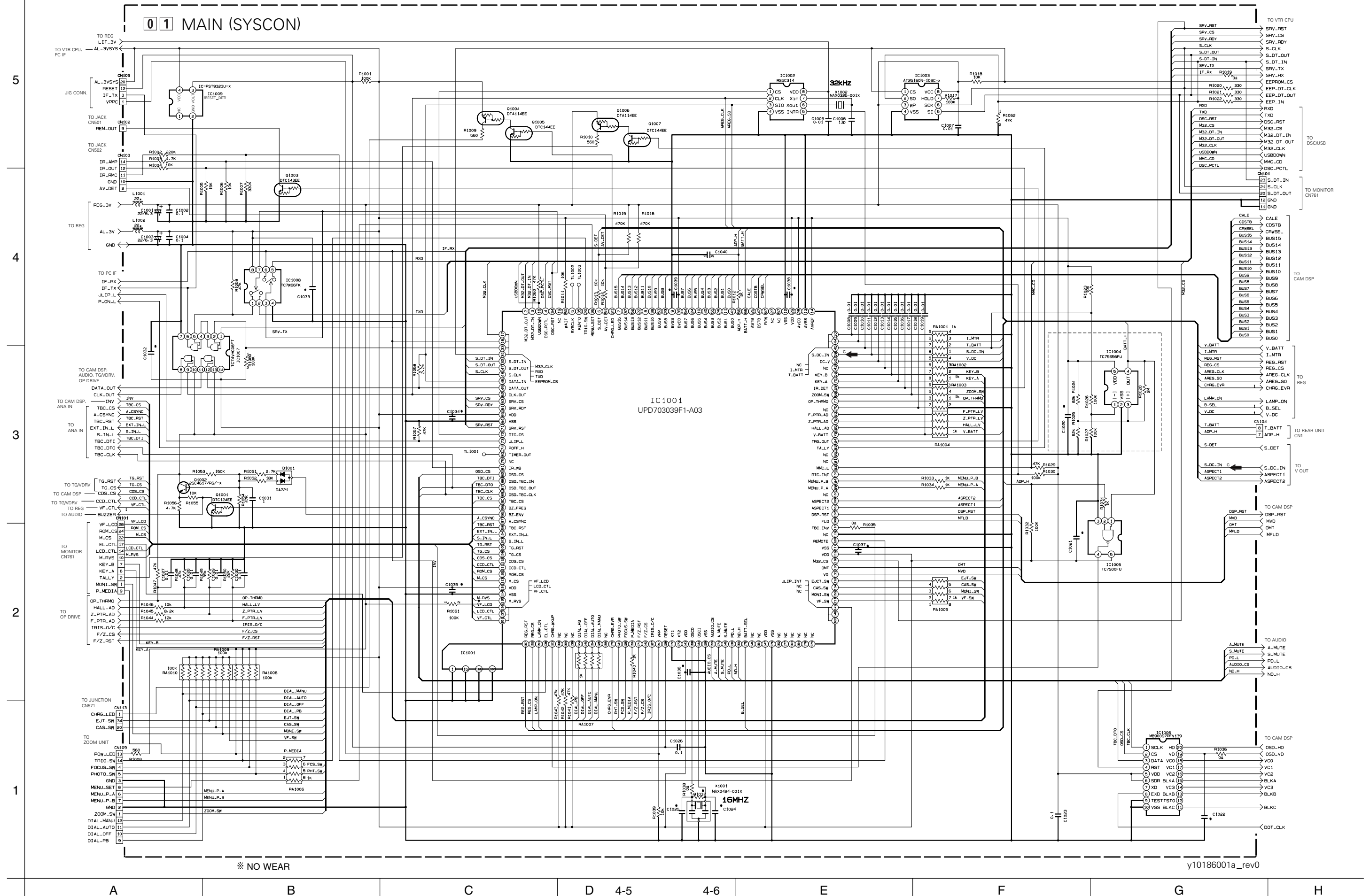
NOTE) * : The number of patch cords are indicated by interconnected.



4.2 SYSCON SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

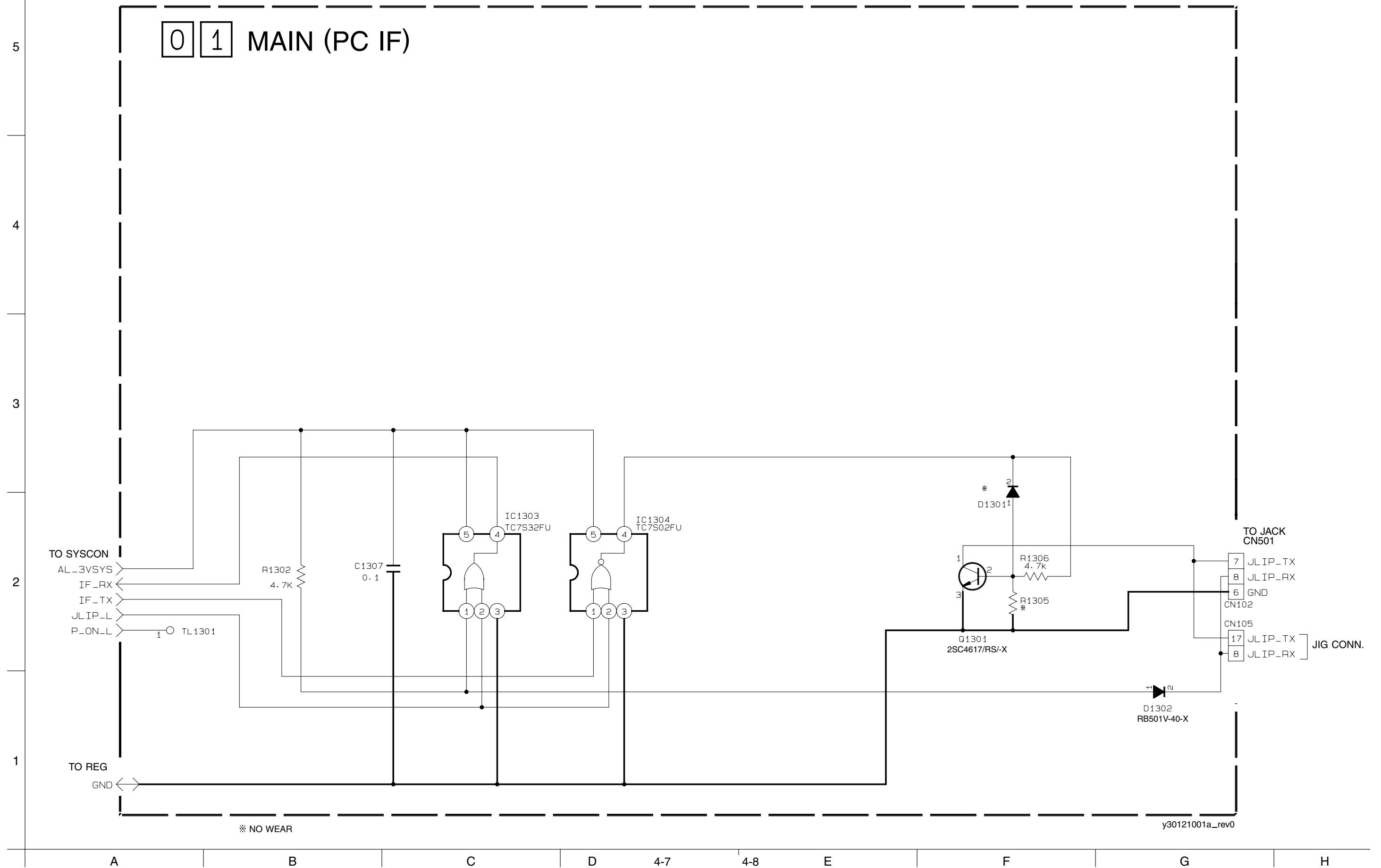
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.3 PC IF SCHEMATIC DIAGRAM

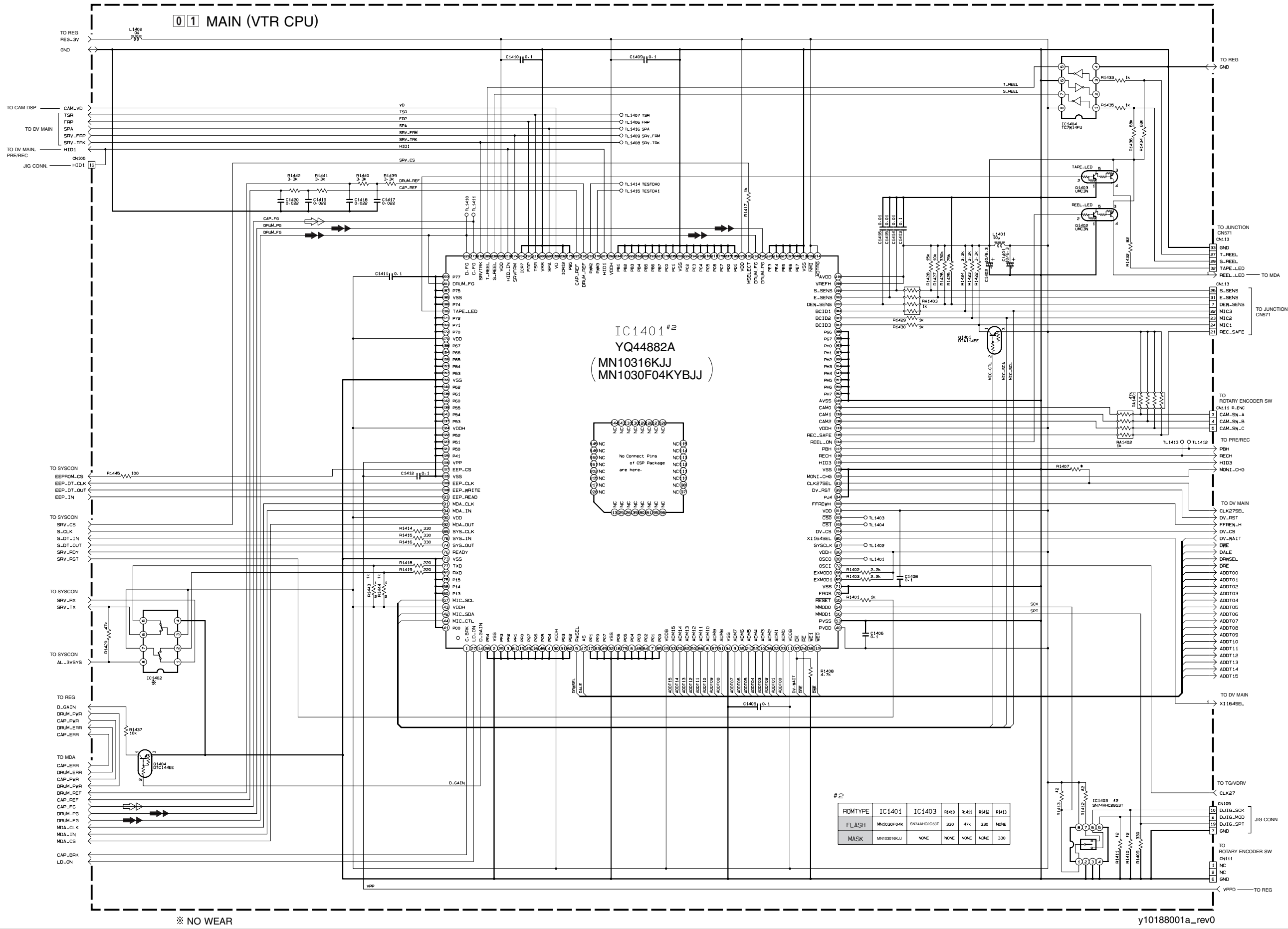
NOTES :

- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.4 VTR CPU SCHEMATIC DIAGRAM

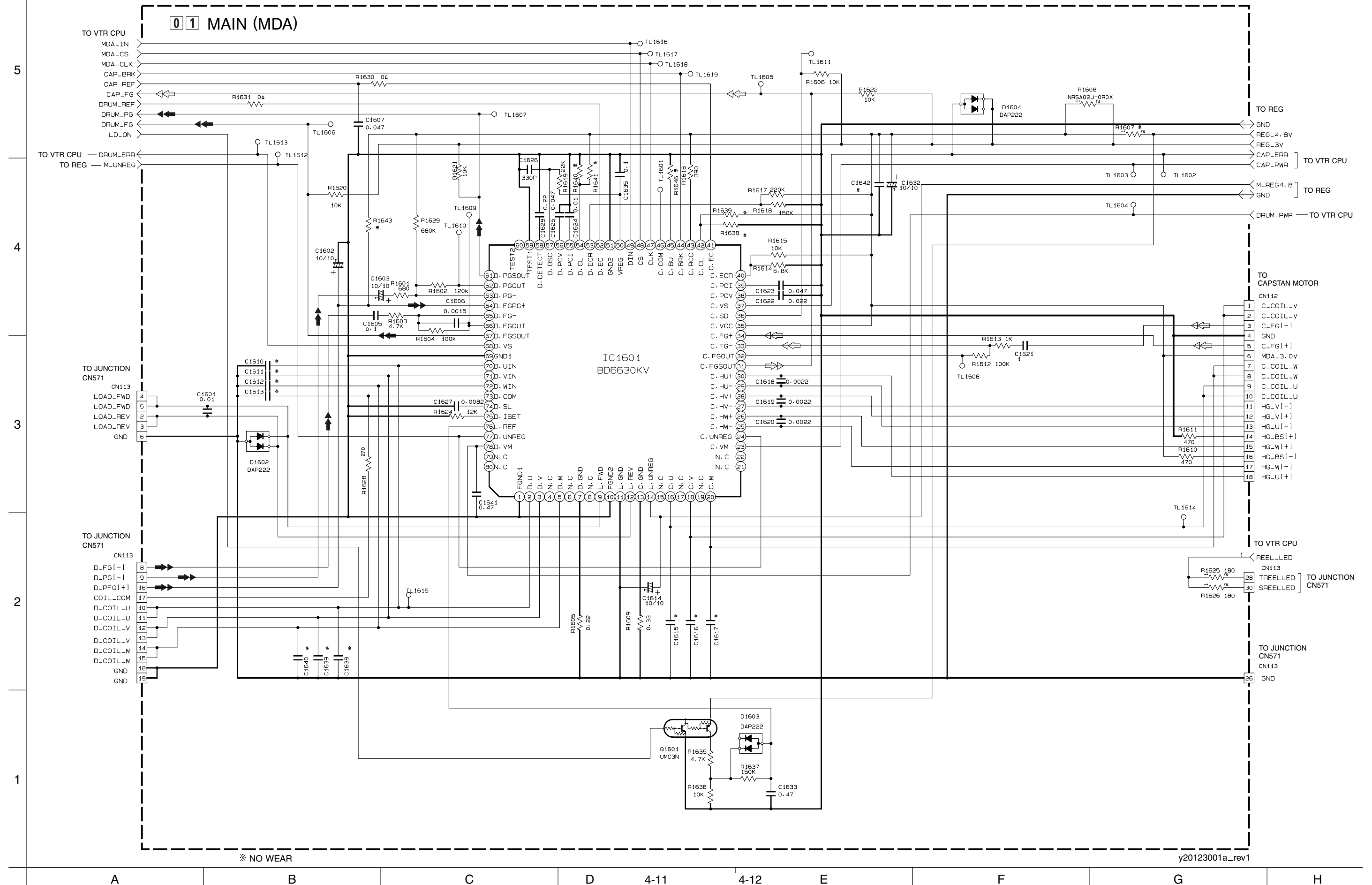
- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.5 MDA SCHEMATIC DIAGRAM

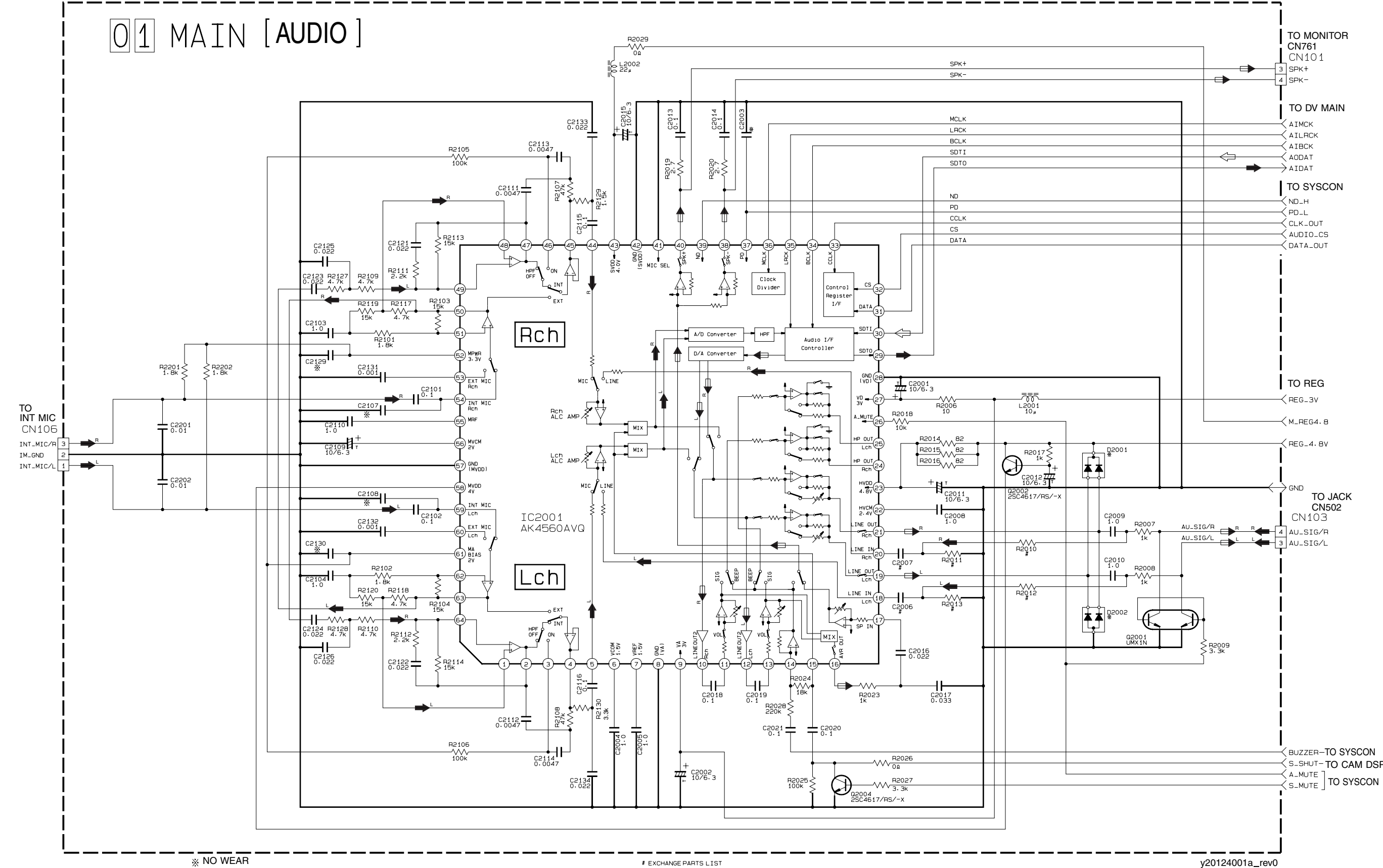
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.6 AUDIO SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

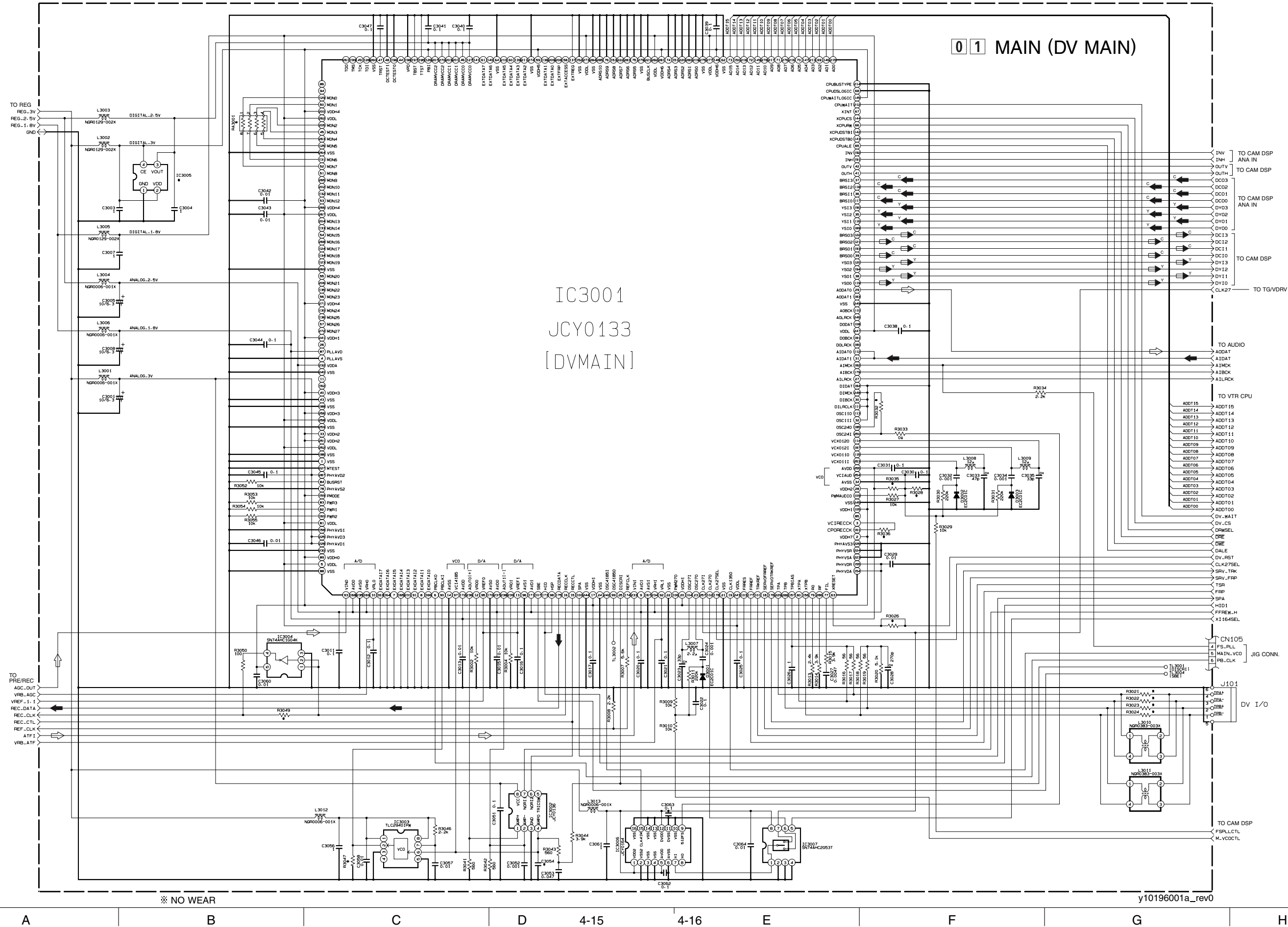


EXCHANGE PARTS LIST

		ANALOG IN
	YES	NO
R2010	27k	※
R2011	22k	0.0
R2012	27k	※
R2013	22k	0.0
C2006	0.1	0.01
C2007	0.1	0.01

4.7 DV MAIN SCHEMATIC DIAGRAM

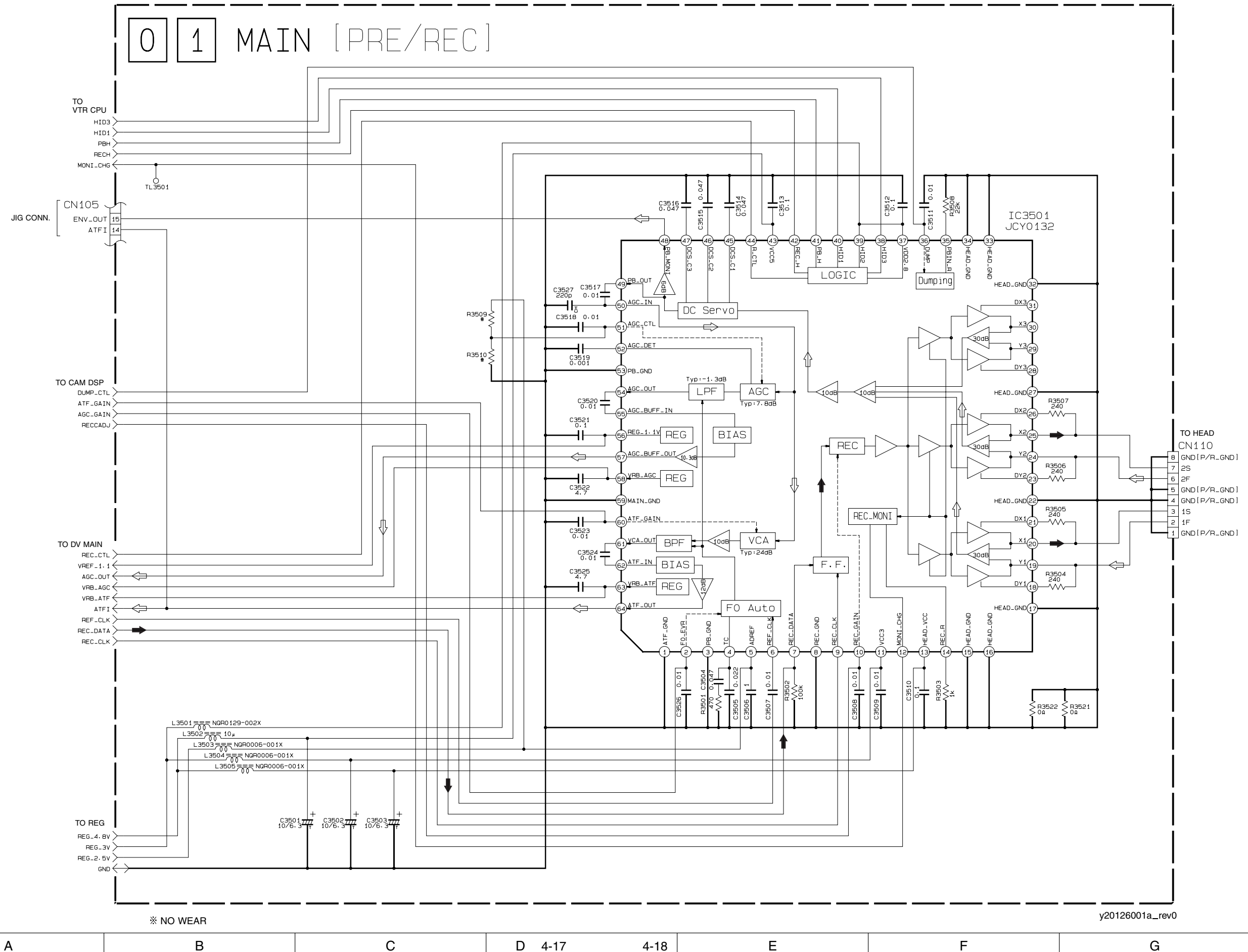
- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.8 PRE/REC SCHEMATIC DIAGRAM

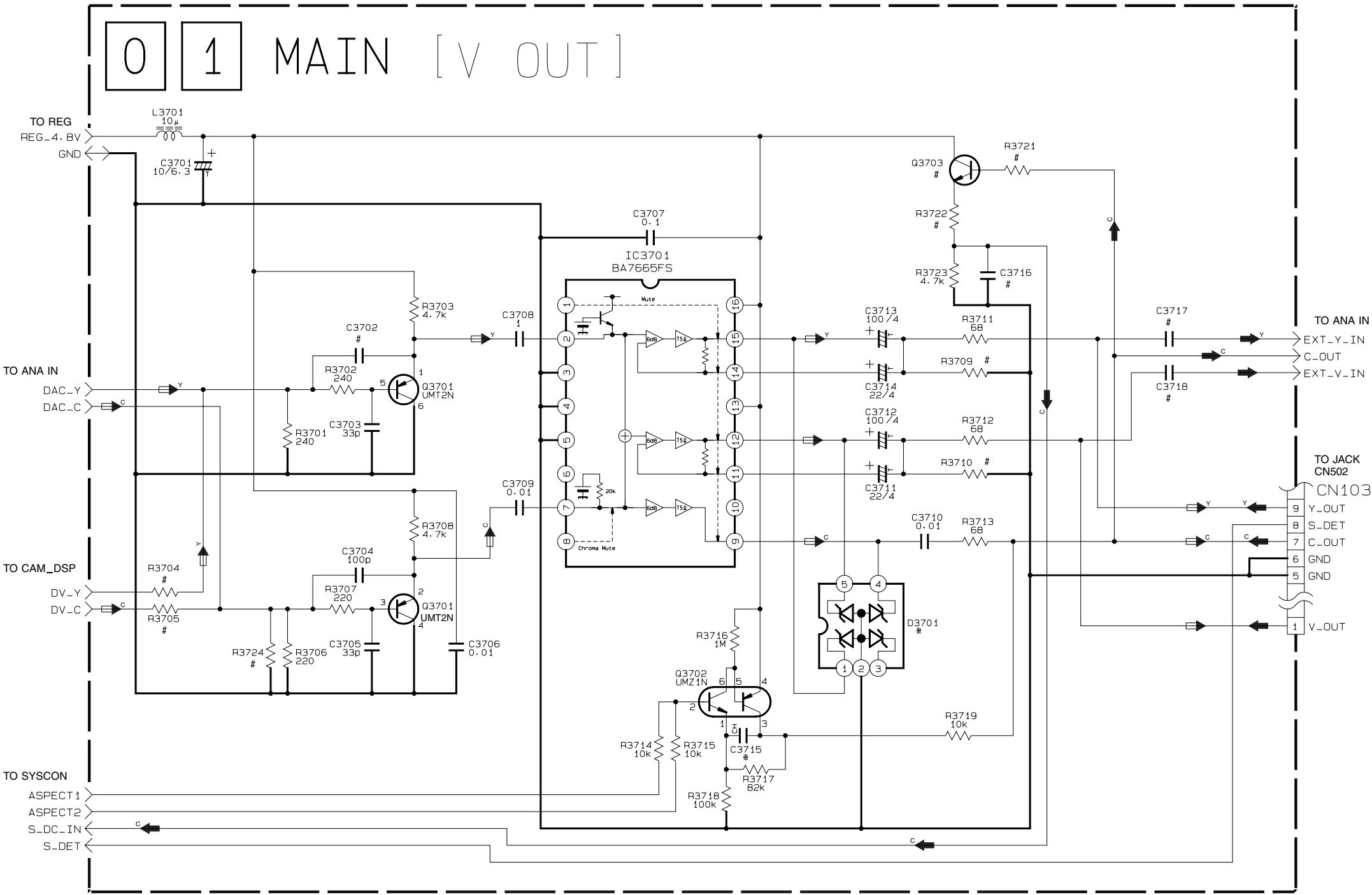
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.9 V OUT SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



※ NO WEAR

: EXCHANGE PARTS LIST

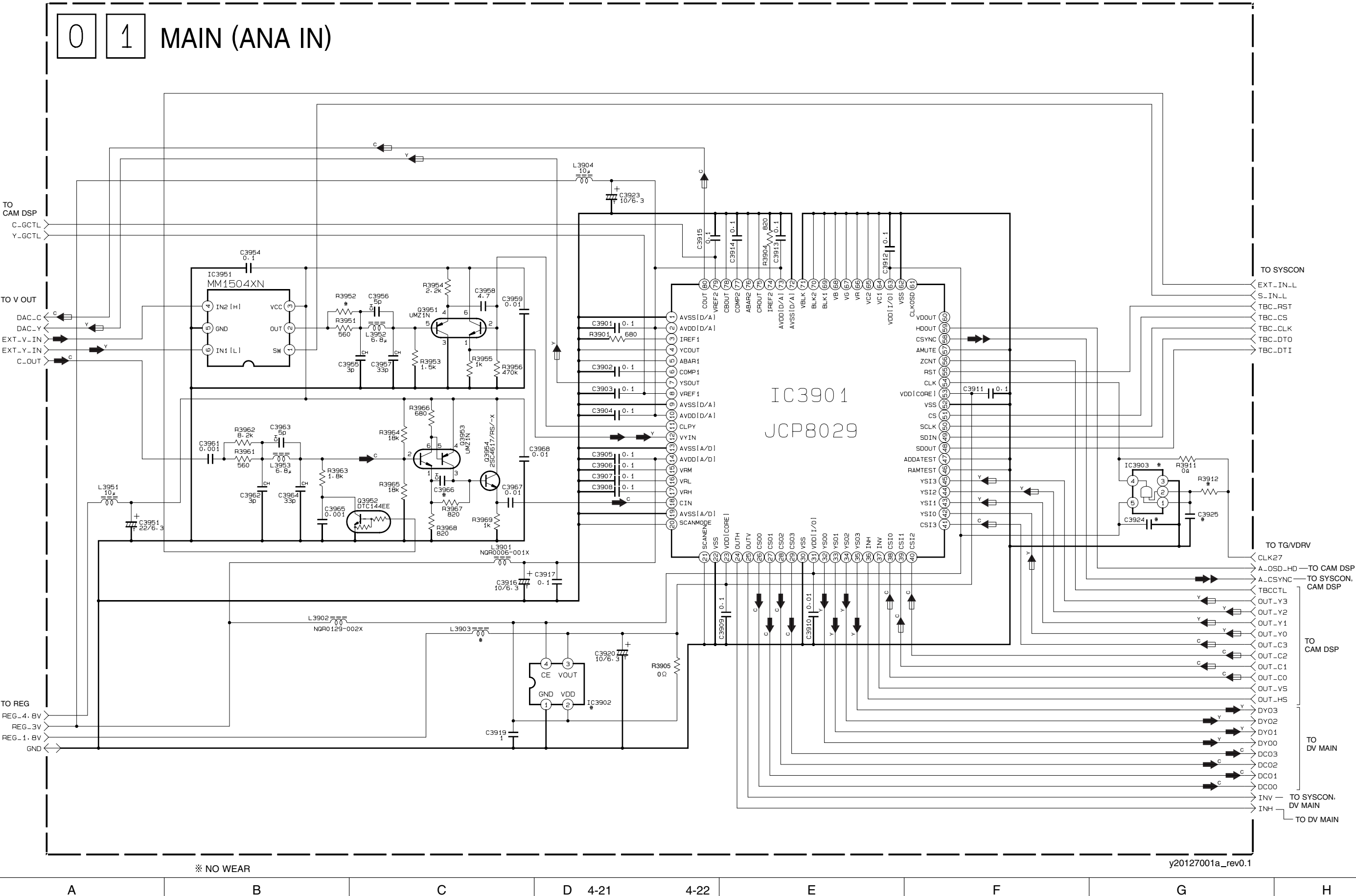
	With ANALOG INPUT	Without ANALOG INPUT
Q3703	2SC4617/RS/-X	※
R3704	※	0Ω
R3705	※	0Ω
R3709	100k	※
R3710	100k	※
R3721	100	※
R3722	4.7k	※
R3724	※	3.9k
C3702	100p	150p
C3716	0.01	※
C3717	1	※
C3718	1	※

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4.10 ANA IN SCHEMATIC DIAGRAM [GR-DVL557EG]

NOTES :

- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



1
2
3
4
5

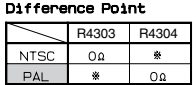
[illegible]

4

3

2

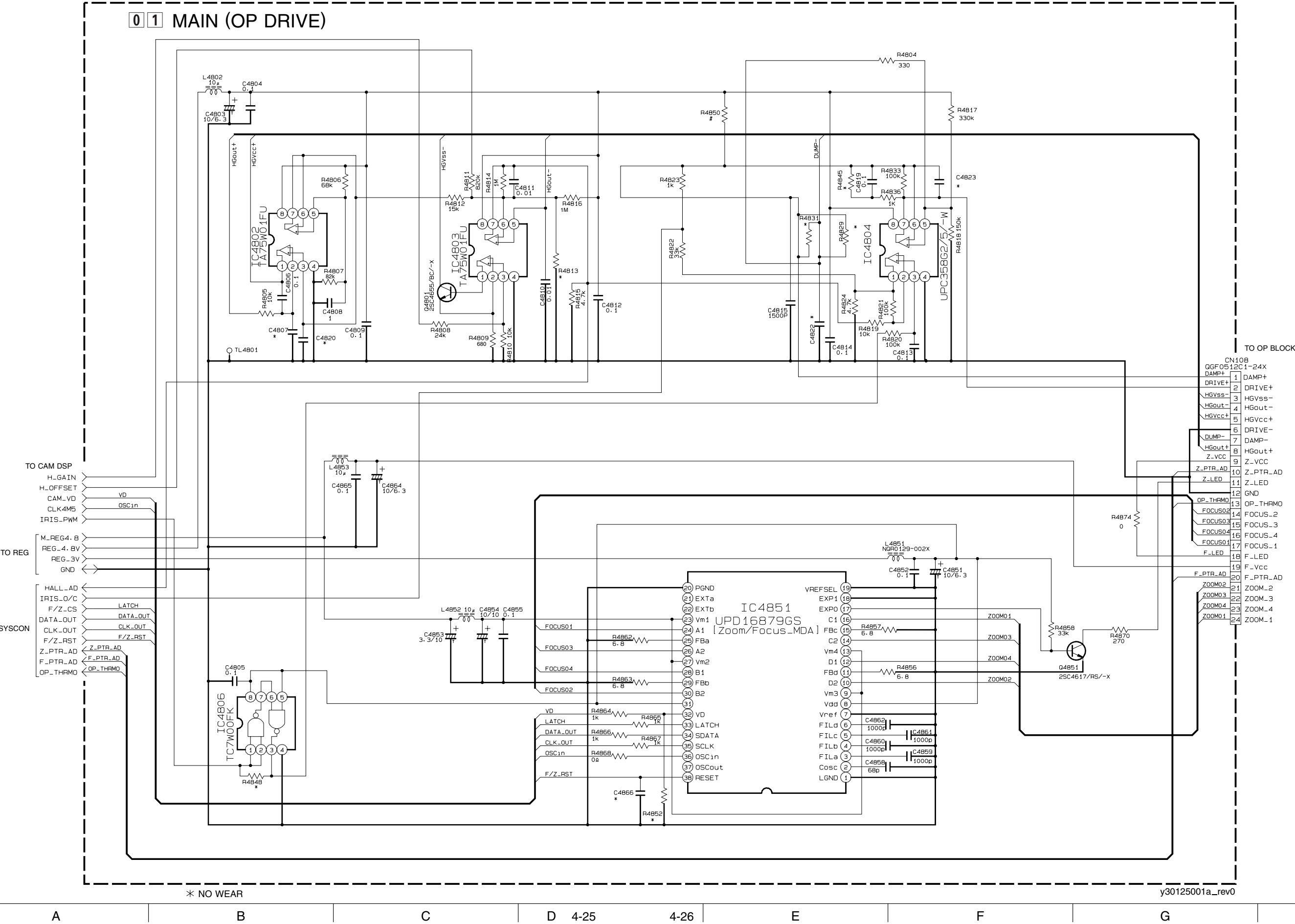
1



A	B	C	D	4-23	4-24	E	F	G	H
---	---	---	---	------	------	---	---	---	---

4.12 OP DRIVE SCHEMATIC DIAGRAM

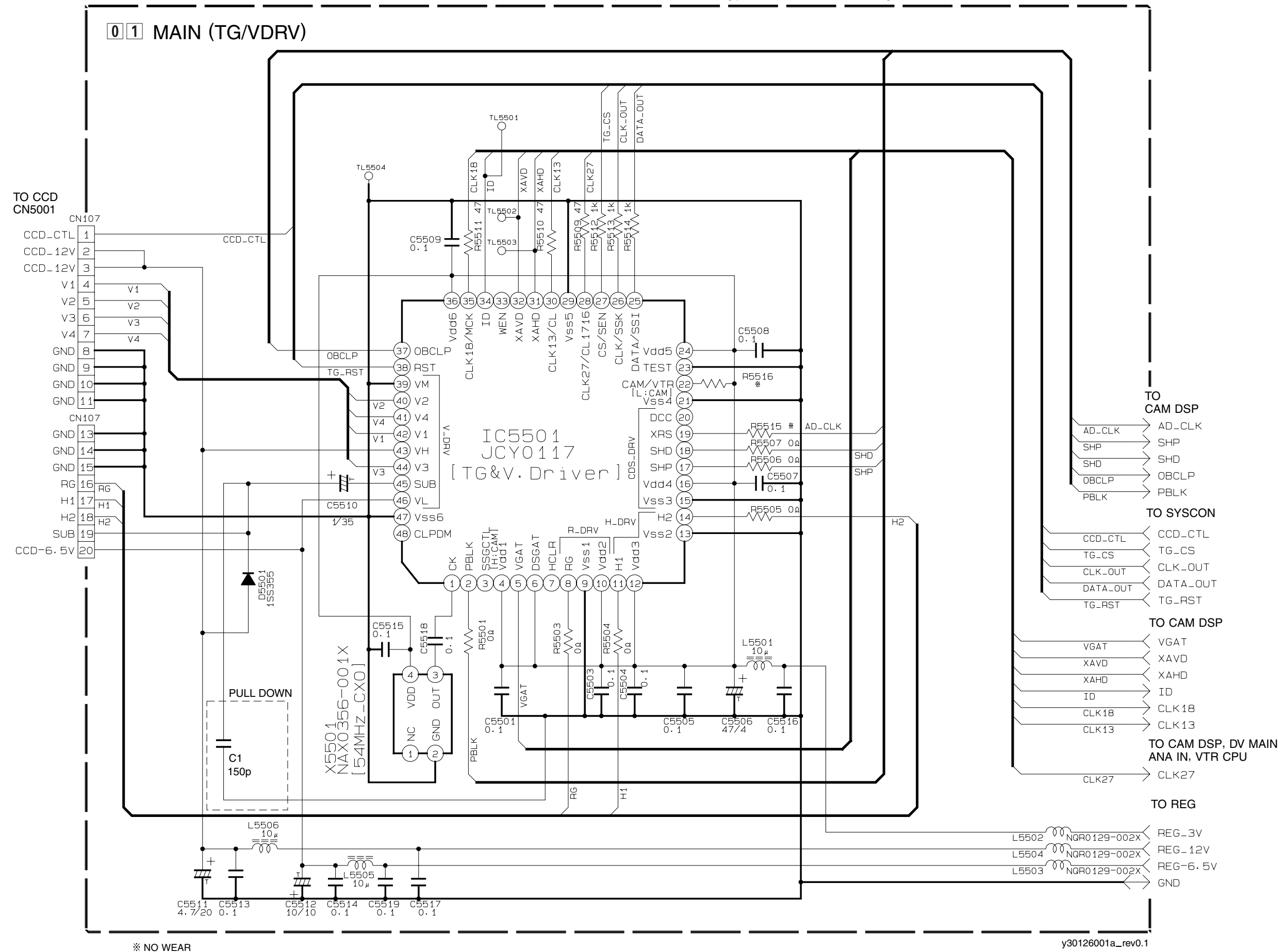
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.13 TG/VDRV SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



✖ NO WEAR

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A

B

C

D

4-27

4-28

E

F

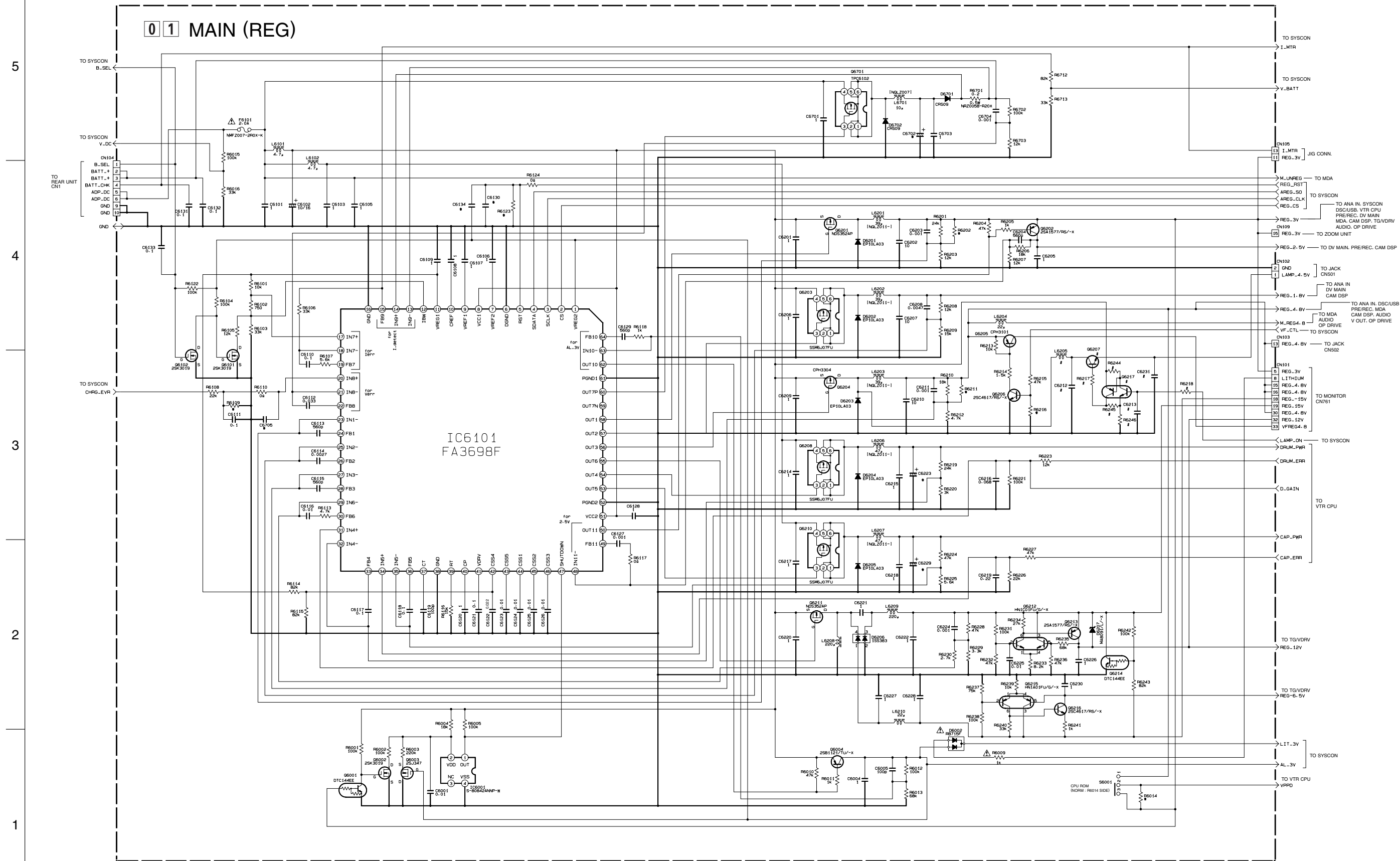
G

H

4.14 REG SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



#	EXCHANGE PARTS LIST
	L6205 Q6207 06217 R6217 R6218 R6244 R6245 R6246 C6212 C6213 C6231
with LIGHT	10μ 2SD1621/TU/-X UMZ1N 150 100k 1.5k 5.6k 2.2k 1 0.1
without LIGHT	open open open open open open open open open open

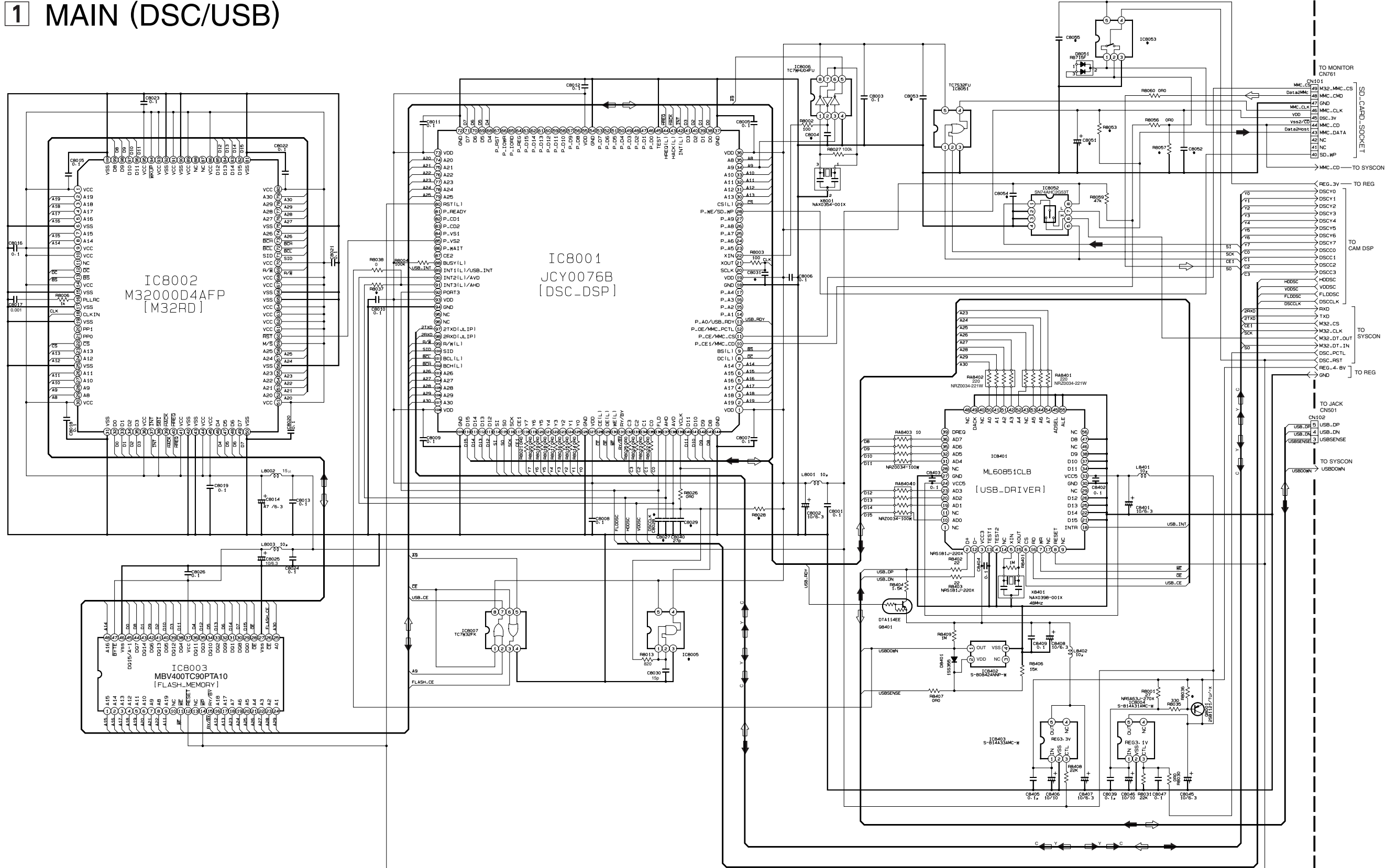
※ NO WEAR

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4.15 DSC/USB SCHEMATIC DIAGRAM

- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

0 1 MAIN (DSC/USB)

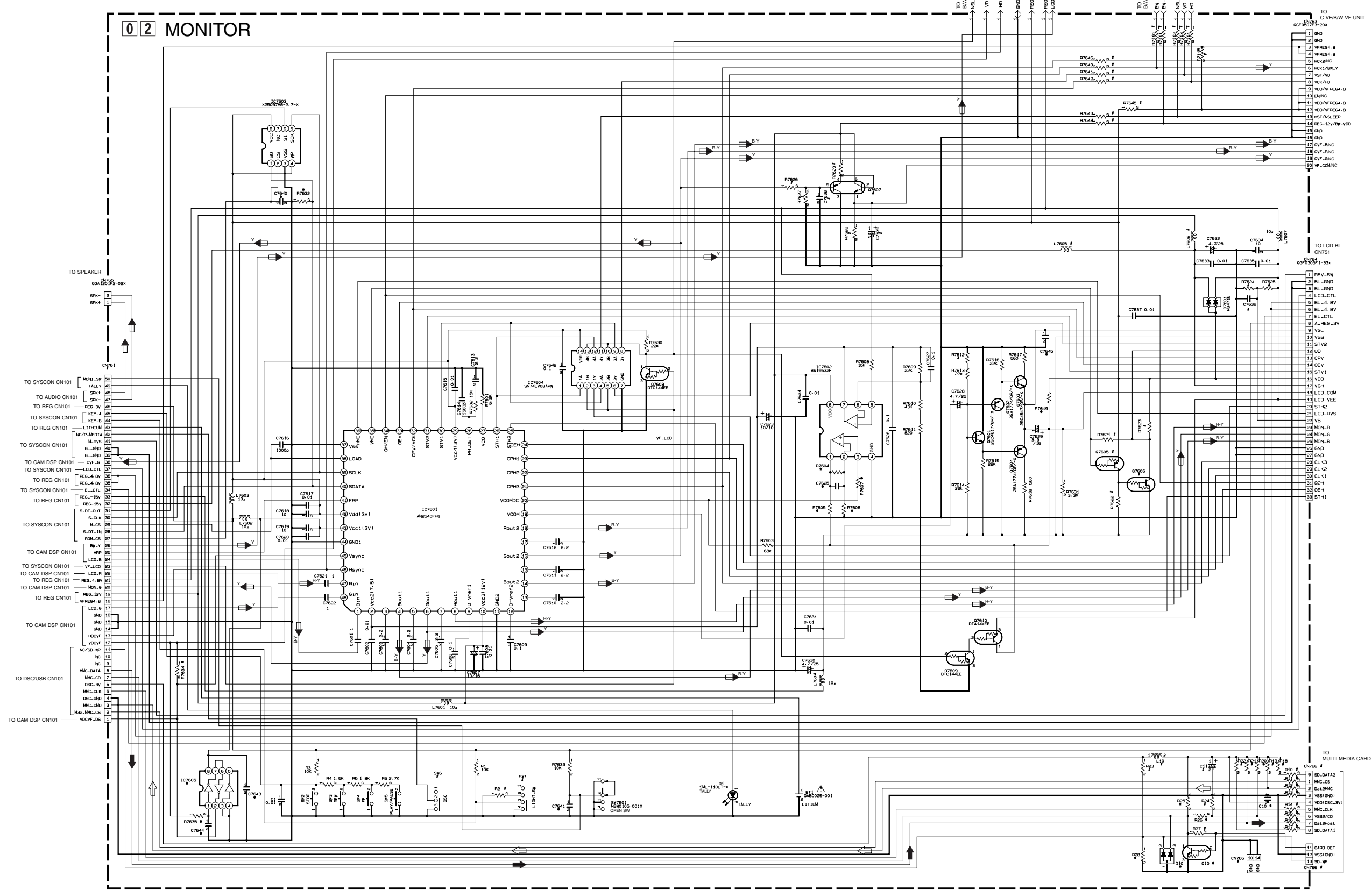


※ NO WEAR

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4.16 MONITOR SCHEMATIC DIAGRAM

- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



	R7110	R7111	R7112	R7113	R7114	R7115	07607	R7626	R7627	R7628	R7629	R7640	R7641	R7642	R7643	R7644	R7645	R7646	R7638	R7639	
CVF MODEL	●	●	●	●	●	●	UN1	18K	320K	320K	320K	●	●	●	●	●	●	●	2.2	10/10	
B/W VF MODEL	○	○	○	○	○	○															
	07605	07606	L7605	L7606	L7612	R7621	R7622	R7623	R7624	R7625	R7636										
2/5 inch MODEL	●	●	10	25K	○	●	●	●	●	●	●										
3/5 inch MODEL	○	○	○	○	6-8K	○	25K	25K	25K	25K	○	○									
	07144E	07144E																			
	R7634	CN761	CN766	SW5	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R21	R22	R23	R24	R27	C11	L10
With DSC	●	Q9806-0151	Q9802-0151	Q9809-0151	○	○	○	○	○	○	○	○	47K	10K	10K	47K	100K	○	306.3	MP102-0621	
Without DSC	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

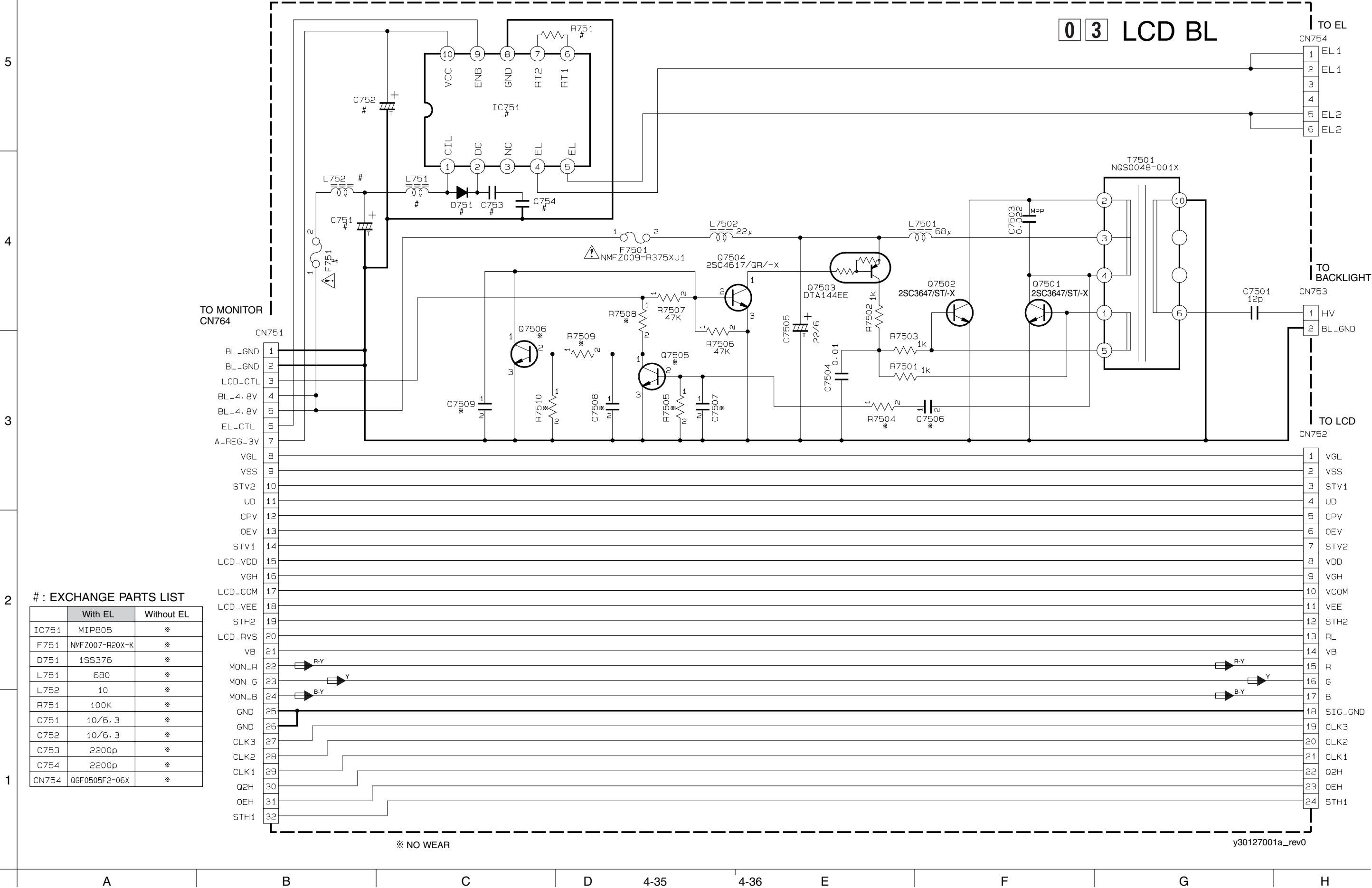
With LIGHT	R1	R2	SH1
Without LIGHT	○	○	○

※ NO WEAR

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4.17 LCD BL SCHEMATIC DIAGRAM

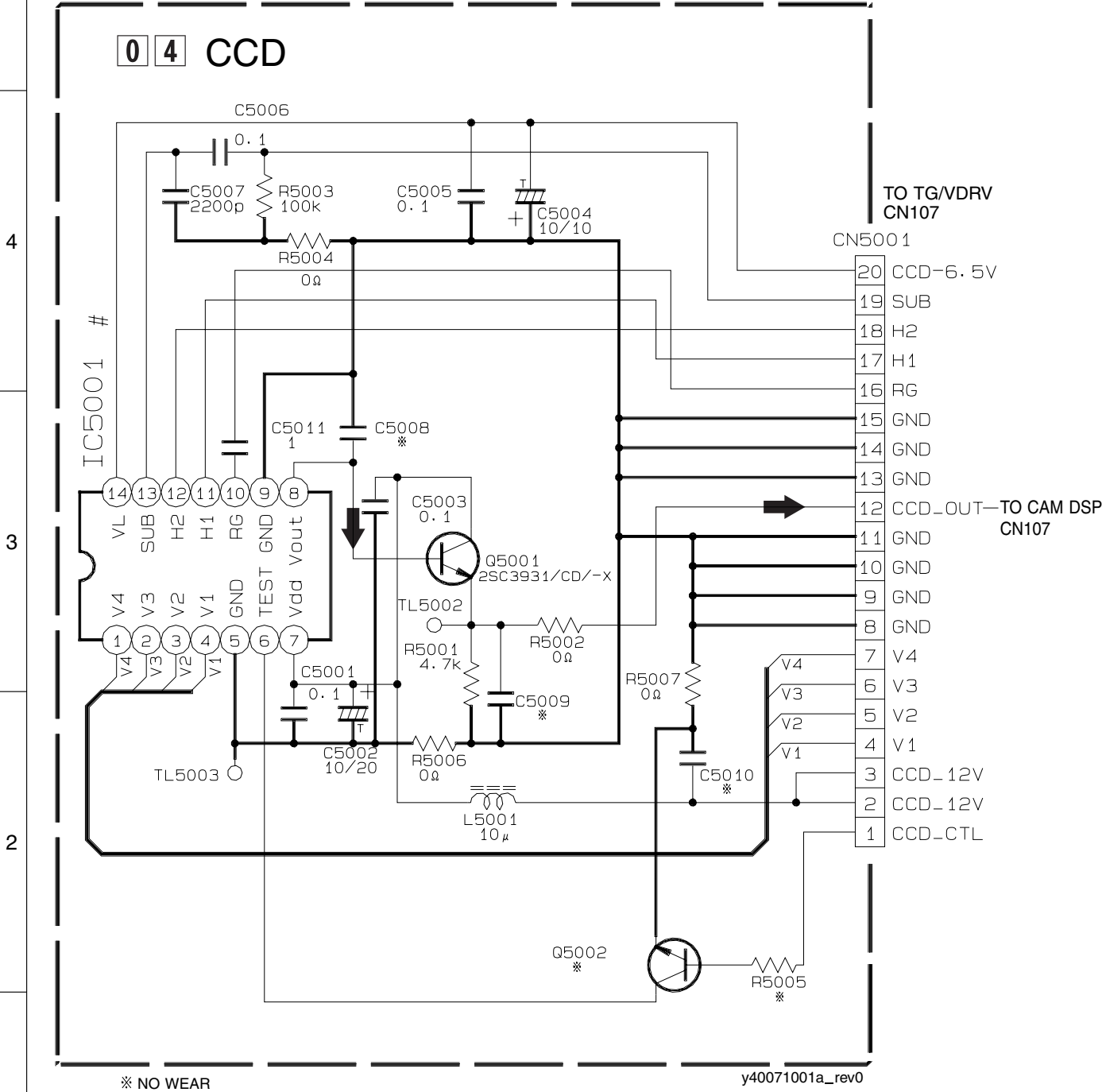
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.18 CCD SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

● IC5001 is incorporated in the CCD base assembly.
When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.

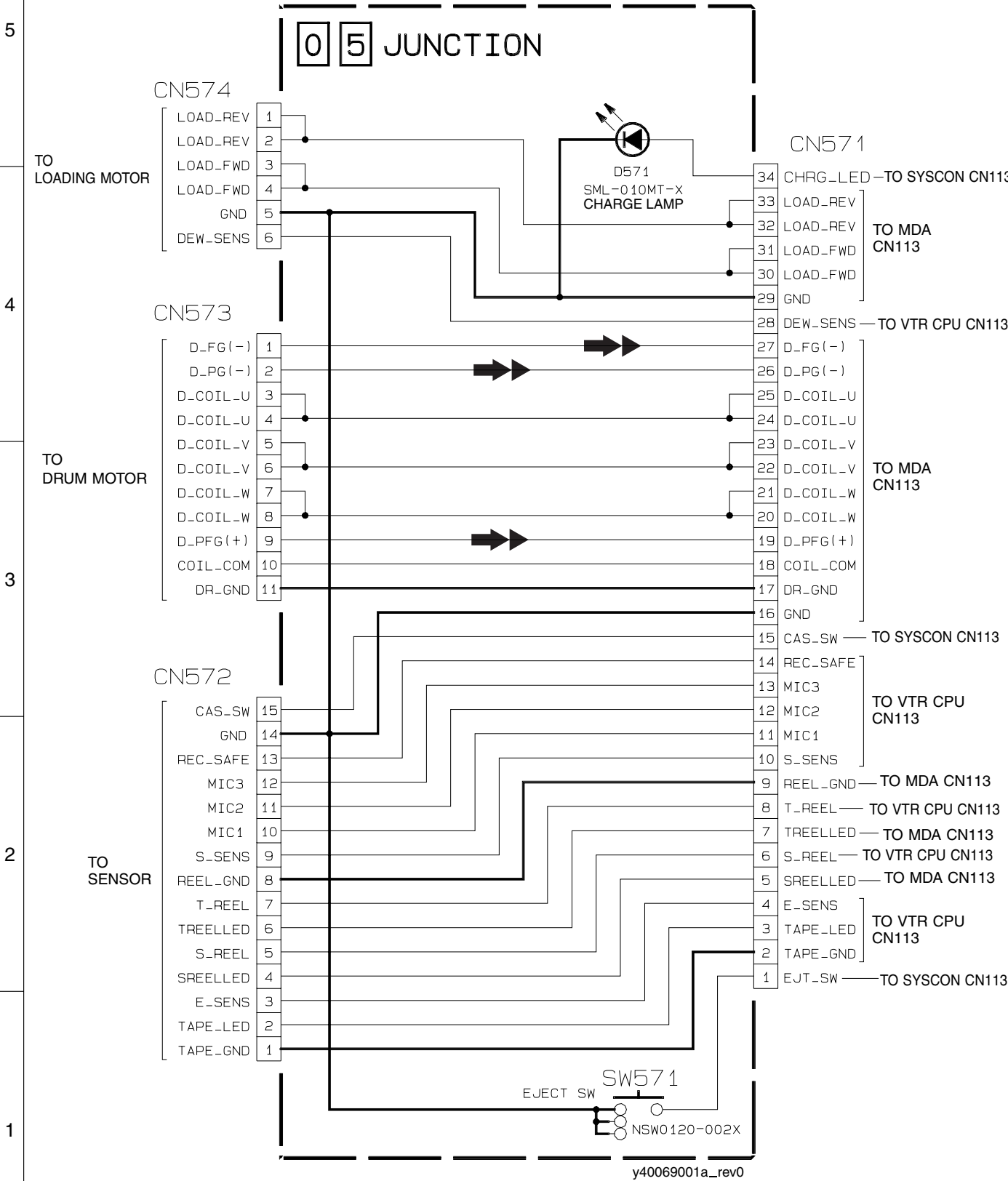


※ NO WEAR

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4.19 JUNCTION SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



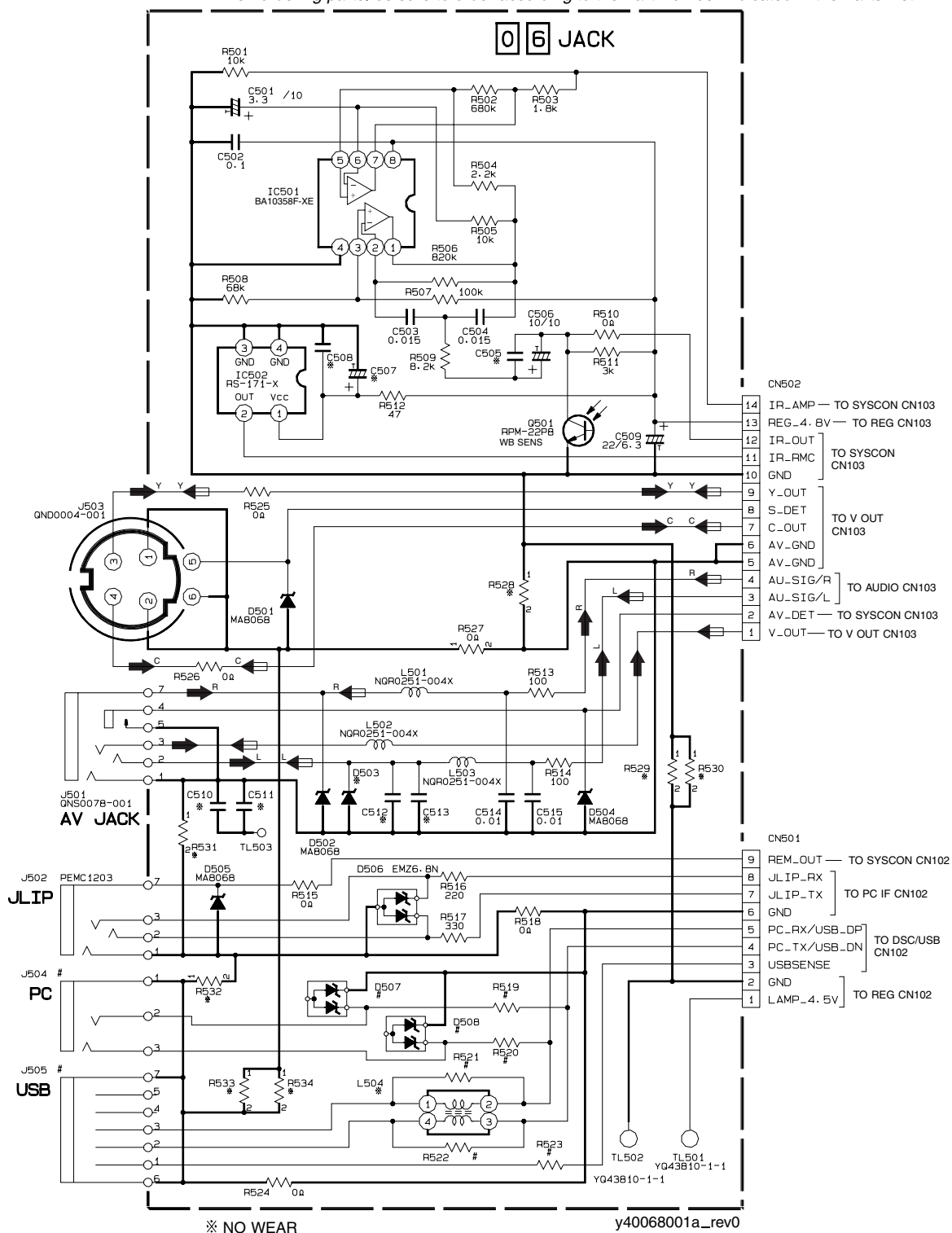
EJECT SW

SW571
NSW0120-002X

y40069001a_rev0

4.20 JACK SCHEMATIC DIAGRAM

- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



EXCHANGE PARTS LIST

	J504	J505	R519, R520	R521~ R523	D507, D508
Without DSC	QNS0152-001	*	330	*	EMZ6.8N-X
With DSC	*	QNZ0497-001	*	0Ω	*

5

4

3



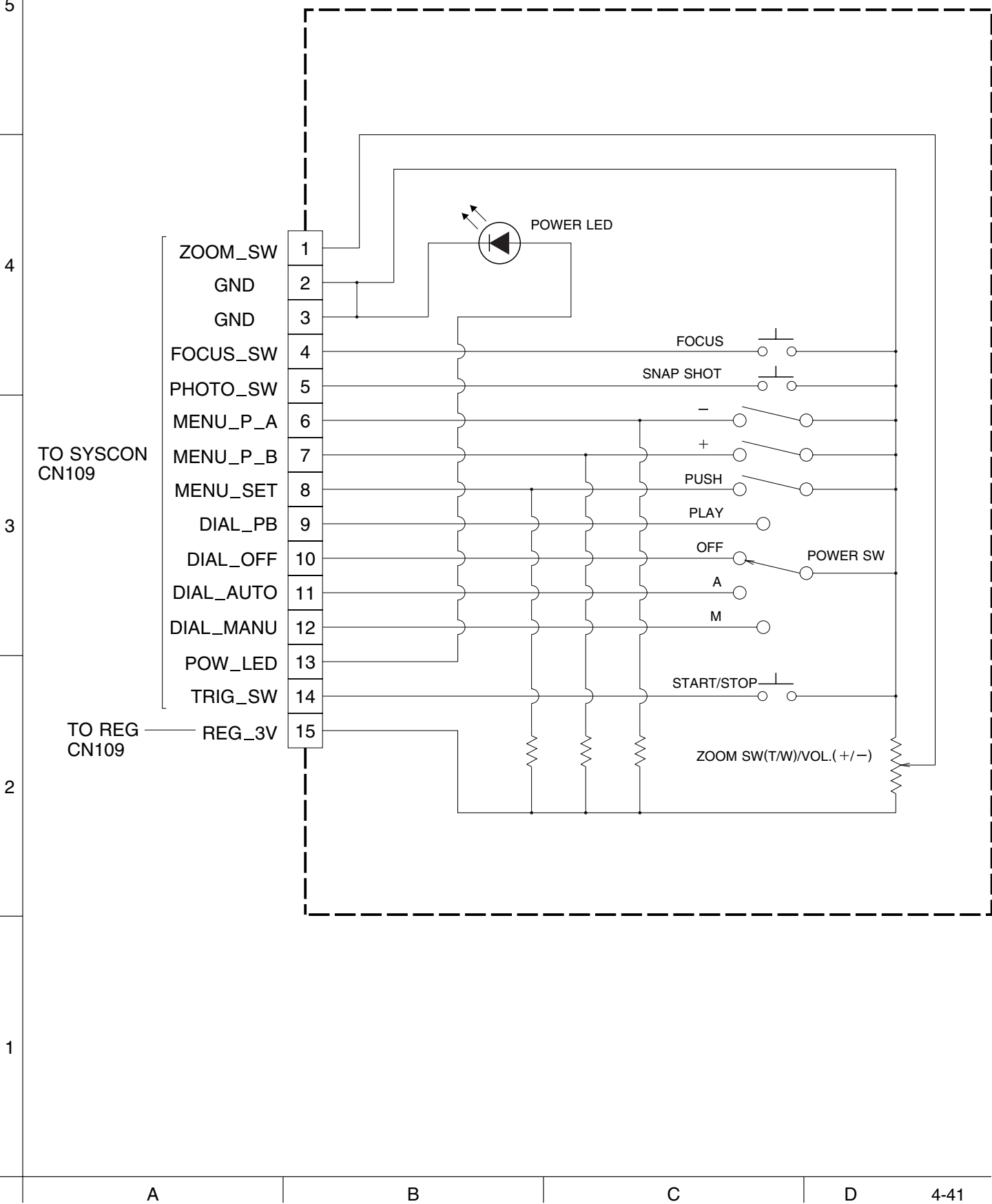
1

y40070001a_rev0

※ NO WEAR

4.22 ZOOM UNIT SCHEMATIC DIAGRAM

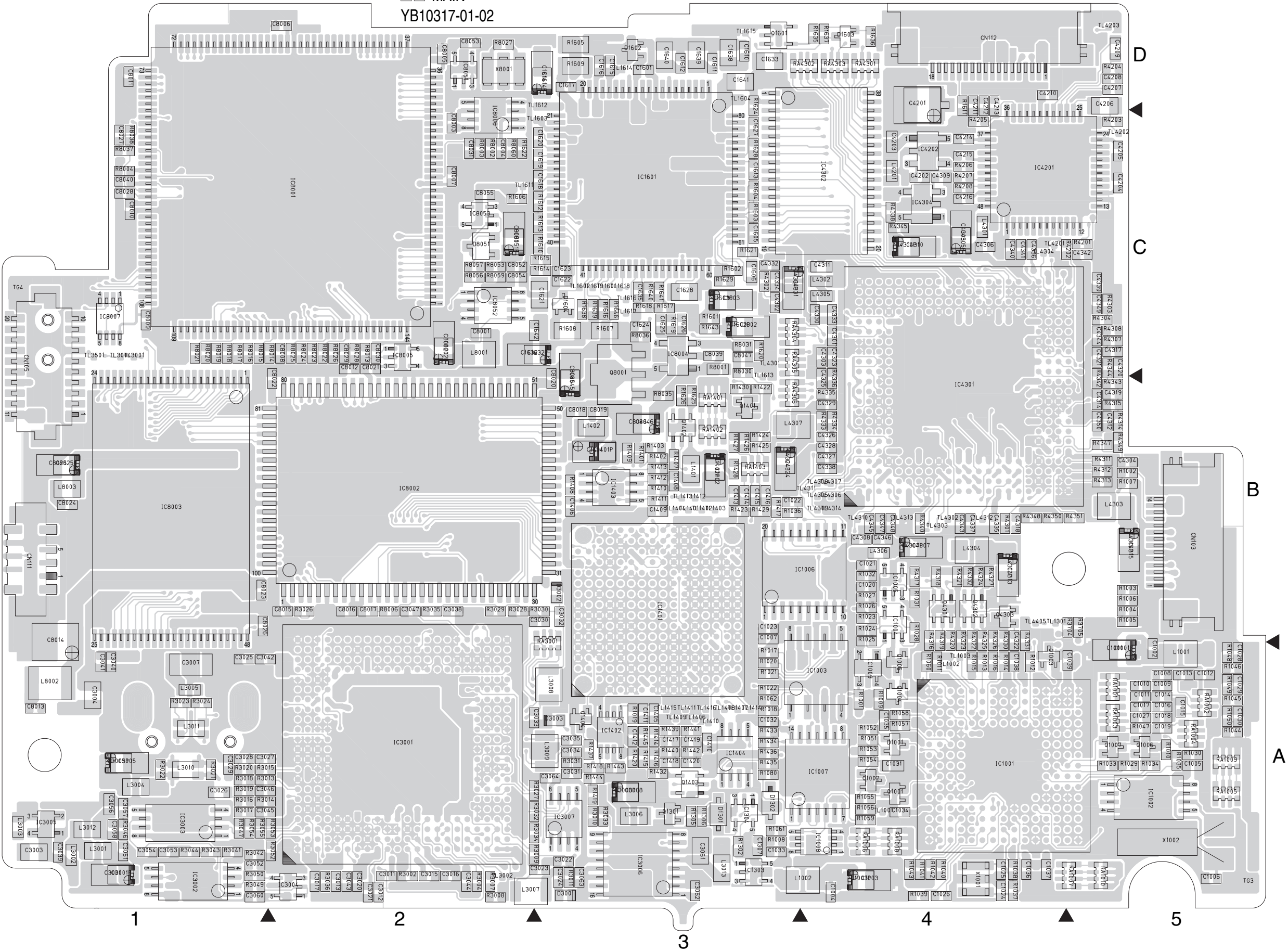
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.



4.23 MAIN CIRCUIT BOARD

FOIL SIDE(B)

01 MAIN
YB10317-01-02



COMPONENT PARTS LOCATION GUIDE <MAIN>

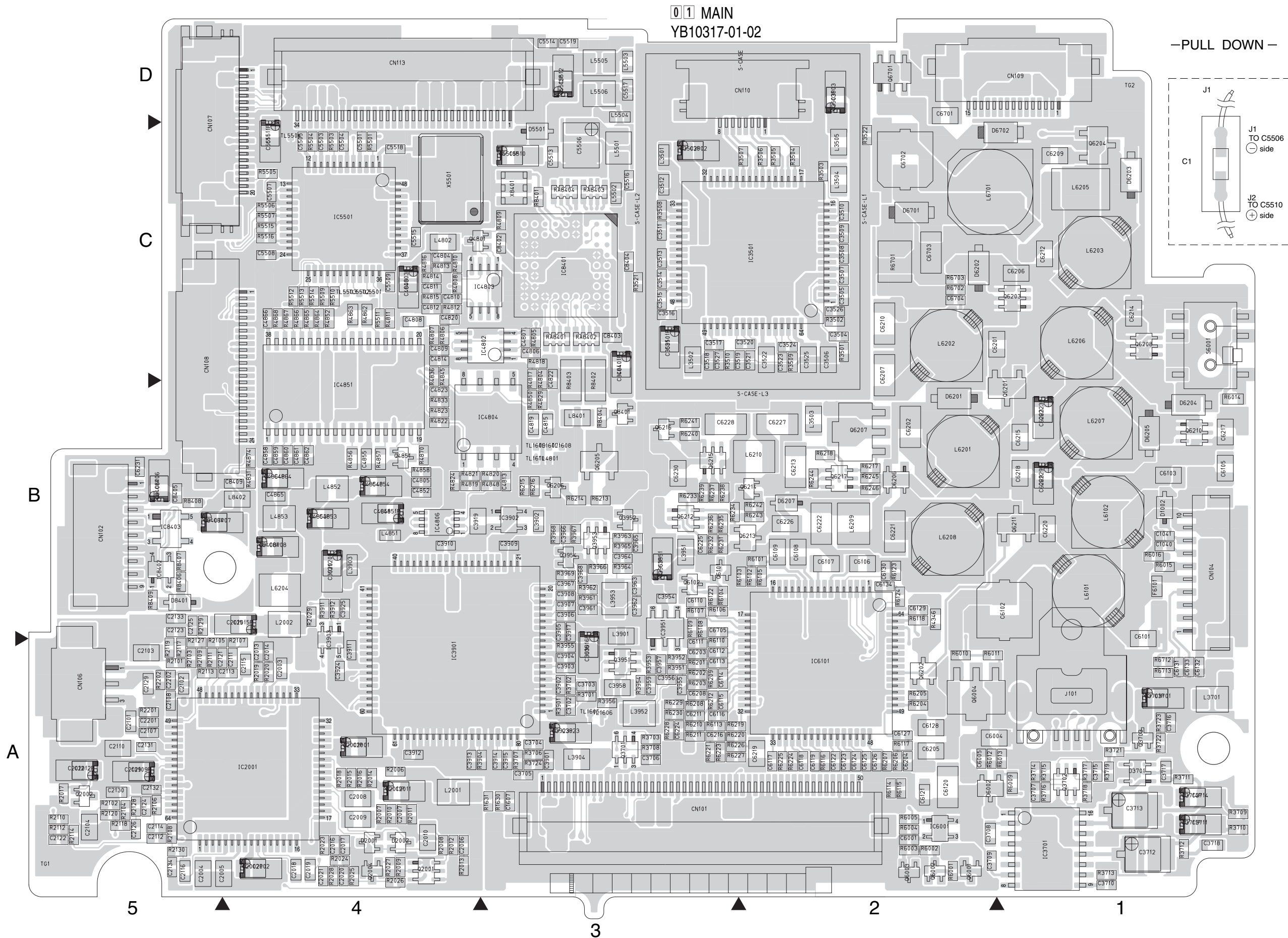
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CAPACITOR		C2002	A C 4A	C3061	B C 3A	C4209	B C 5D	C5509	A C 4C	C8012	B C 2C	IC1402	B C 3A	L5506	A C 3D
C1001	B C 5A	C2003	A C 4A	C3062	B C 3A	C4210	B C 4D	C5510	A C 4C	C8013	B C 1A	IC1403	B C 3B	L6101	A C 1B
C1002	B C 5A	C2004	A C 5A	C3063	B C 3A	C4211	B C 4D	C5511	A C 4C	C8014	B C 1B	IC1404	B C 3A	L6102	A C 1B
C1003	B C 4A	C2005	A C 5A	C3064	B C 3A	C4212	B C 4D	C5512	A C 3D	C8015	B C 2B	IC1601	B C 3C	L6201	A C 2B
C1004	B C 4A	C2006	A C 4A	C3501	A C 3C	C4213	B C 4D	C5513	A C 3C	C8016	B C 2B	IC2001	A C 4A	L6202	A C 2C
C1005	B C 5A	C2007	A C 4A	C3502	A C 3C	C4214	B C 4C	C5514	A C 3D	C8017	B C 2B	IC3001	B C 2A	L6203	A C 1C
C1006	B C 5A	C2008	A C 4A	C3503	A C 2D	C4215	B C 4C	C5515	A C 4C	C8018	B C 3B	IC3002	B C 1A	L6204	A C 4B
C1007	B C 3B	C2009	A C 4A	C3504	A C 2C	C4216	B C 4C	C5516	A C 3C	C8019	B C 3B	IC3003	B C 1A	L6205	A C 1C
C1008	B C 5A	C2010	A C 4A	C3505	A C 2C	C4301	B C 4C	C5517	A C 3D	C8020	B C 3B	IC3004	B C 2A	L6206	A C 1C
C1009	B C 5A	C2011	A C 4A	C3506	A C 2C	C4302	B C 3C	C5518	A C 4C	C8021	B C 2C	IC3005	B C 1A	L6207	A C 1B
C1010	B C 5A	C2012	A C 5A	C3507	A C 2C	C4303	B C 4C	C5519	A C 3D	C8022	B C 2B	IC3006	B C 3A	L6208	A C 2B
C1011	B C 5A	C2013	A C 4A	C3508	A C 2C	C4304	B C 4C	C6001	A C 2A	C8023	B C 1B	IC3007	B C 3A	L6209	A C 2B
C1012	B C 5A	C2014	A C 4A	C3509	A C 2C	C4305	B C 4C	C6004	A C 2A	C8024	B C 1B	IC3501	A C 2C	L6210	A C 2B
C1013	B C 5A	C2015	A C 4B	C3510	A C 2C	C4306	B C 4C	C6005	A C 2A	C8025	B C 1B	IC3701	A C 1A	L6701	A C 2C
C1014	B C 5A	C2016	A C 4A	C3511	A C 3C	C4307	B C 4B	C6101	A C 1B	C8026	B C 2B	IC3901	A C 4A	L8001	B C 2C
C1015	B C 5A	C2017	A C 4A	C3512	A C 3C	C4308	B C 4B	C6102	A C 1B	C8027	B C 1C	IC3902	A C 3B	L8002	B C 1A
C1016	B C 5A	C2018	A C 4A	C3513	A C 3C	C4309	B C 4C	C6103	A C 1B	C8028	B C 1C	IC3903	A C 4A	L8003	B C 1B
C1017	B C 5A	C2019	A C 4A	C3514	A C 3C	C4310	B C 4C	C6105	A C 1B	C8029	B C 2C	IC3951	A C 3B	L8401	A C 3B
C1018	B C 5A	C2020	A C 4A	C3515	A C 3C	C4311	B C 4C	C6106	A C 2B	C8030	B C 2C	IC4201	B C 4C	L8402	A C 4B
C1019	B C 5A	C2021	A C 4A	C3516	A C 3C	C4312	B C 5B	C6107	A C 2B	C8031	B C 2C	IC4202	B C 4C	TRANSISTOR	
C1020	B C 4B	C2101	A C 5A	C3517	A C 3C	C4313	B C 4B	C6108	A C 2B	C8039	B C 3C	IC4301	B C 4B	Q1001	B C 4A
C1021	B C 4B	C2102	A C 5A	C3518	A C 3C	C4314	B C 5B	C6109	A C 2B	C8040	B C 1C	IC4302	B C 4C	Q1002	B C 4A
C1022	B C 3B	C2103	A C 5A	C3519	A C 3C	C4315	B C 5B	C6110	A C 3B	C8045	B C 3C	IC4304	B C 4C	Q1003	B C 4A
C1023	B C 3B	C2104	A C 5A	C3520	A C 2C	C4317	B C 5C	C6111	A C 3A	C8046	B C 3B	IC4802	A C 4C	Q1004	B C 4A
C1024	B C 4A	C2107	A C 5A	C3521	A C 2C	C4318	B C 4B	C6112	A C 3A	C8047	B C 3C	IC4803	A C 4C	Q1005	B C 4A
C1025	B C 4A	C2108	A C 5A	C3522	A C 2C	C4319	B C 5B	C6113	A C 3A	C8051	B C 2C	IC4804	A C 3B	Q1006	B C 5A
C1026	B C 4A	C2109	A C 5A	C3523	A C 2C	C4320	B C 5C	C6114	A C 3A	C8052	B C 2C	IC4806	A C 4B	Q1007	B C 5A
C1027	B C 5A	C2110	A C 5A	C3524	A C 2C	C4321	B C 5C	C6115	A C 3A	C8053	B C 2D	IC4851	A C 4B	Q1301	B C 3A
C1028	B C 5A	C2111	A C 4A	C3525	A C 2C	C4322	B C 4B	C6116	A C 3A	C8054	B C 2C	IC5501	A C 4A	Q1401	B C 3B
C1029	B C 5A	C2112	A C 5A	C3526	A C 2C	C4323	B C 4C	C6117	A C 2A	C8055	B C 2C	IC6001	A C 2A	Q1402	B C 3B
C1030	B C 5A	C2113	A C 5A	C3527	A C 3C	C4324	B C 3B	C6118	A C 2A	C8401	A C 3C	IC6101	A C 2A	Q1403	B C 3A
C1031	B C 4A	C2114	A C 5A	C3701	A C 1A	C4325	B C 4B	C6119	A C 2A	C8402	A C 3C	IC8001	B C 2C	Q1404	B C 3A
C1032	B C 3A	C2115	A C 4A	C3702	A C 3A	C4326	B C 4B	C6120	A C 2A	C8403	A C 3C	IC8002	B C 2B	Q1601	B C 3D
C1033	B C 3A	C2116	A C 5A	C3703	A C 3A	C4327	B C 4B	C6121	A C 2A	C8404	A C 3C	IC8003	B C 1B	Q2001	A C 4A
C1034	B C 4A	C2121	A C 5A	C3704	A C 3A	C4328	B C 4B	C6122	A C 2A	C8405	A C 5B	IC8004	B C 3C	Q2002	A C 5A
C1035	B C 4A	C2122	A C 5A	C3705	A C 3A	C4329	B C 4B	C6123	A C 2A	C8406	A C 5B	IC8005	B C 2C	Q2004	A C 4A
C1036	B C 4A	C2123	A C 5B	C3706	A C 3A	C4330	B C 4C	C6124	A C 2A	C8407	A C 5B	IC8006	B C 2C	Q3701	A C 3A
C1037	B C 4A	C2124	A C 5A	C3707	A C 1A	C4331	B C 3C	C6125	A C 2A	C8408	A C 4B	IC8007	B C 1C	Q3702	A C 1A
C1038	B C 4A	C2125	A C 5B	C3708	A C 2A	C4332	B C 3C	C6126	A C 2A	C8409	A C 4B	IC8051	B C 2D	Q3703	A C 1A
C1039	B C 5A	C2126	A C 5A	C3709	A C 2A	C4333	B C 4C	C6127	A C 2A	CONNECTOR		IC8052	B C 2C	Q3951	A C 3A
C1040	A C 1B	C2129	A C 5A	C3710	A C 1A	C4334	B C 3C	C6128	A C 2A	CN101	A C 3A	IC8053	B C 2C	Q3952	A C 3B
C1041	A C 1B	C2130	A C 5A	C3711	A C 1A	C4335	B C 4B	C6129	A C 2B	CN102	A C 5B	IC8401	A C 3C	Q3953	A C 3B
C1307	B C 3A	C2131	A C 5A	C3712	A C 1A	C4336	B C 4C	C6130	A C 2B	CN103	B C 5B	IC8402	A C 5B	Q3954	A C 3B
C1401	B C 3B	C2132	A C 5A	C3713	A C 1A	C4337	B C 4B	C6131	A C 1A	CN104	A C 1B	IC8403	A C 5B	Q4301	B C 4B
C1402	B C 3B	C2133	A C 5B	C3714	A C 1A	C4338	B C 4B	C6132	A C 1A	CN105	B C 1B	COIL		Q4302	B C 4B
C1403	B C 3A	C2134	A C 5A	C3715	A C 1A	C4339	B C 5C	C6133	A C 1A	CN106	A C 5A	L1001	B C 5A	Q4303	B C 4B
C1404	B C 3B	C2201	A C 5A	C3716	A C 1A	C4340	B C 4C	C6134	A C 2B	CN107	A C 4D	L1002	B C 4A	Q4801	A C 4C
C1405	B C 3B	C2202	A C 5A	C3717	A C 1A	C4341	B C 4C	C6201	A C 2C	CN108	A C 4C	L1401	B C 3B	Q4851	A C 4B
C1406	B C 3B	C3001	B C 1A	C3718	A C 1A	C4342	B C 5C	C6202	A C 2B	CN109	A C 1D	L1402	B C 3B	Q6001	A C 2A
C1407	B C 3A	C3003	B C 1A	C3901	A C 3A	C4343	B C 4B	C6203	A C 3A	CN110	A C 2D	L2001	A C 4A	Q6002	A C 2A
C1408	B C 3A	C3004	B C 1A	C3902	A C 3A	C4344	B C 5C	C6204	A C 2A	CN111	B C 1B	L2002	A C 4B	Q6003	A C 2A
C1409	B C 3A	C3005	B C 1A	C3903	A C 3A	C4345	B C 4B	C6205	A C 2A	CN112	B C 4D	L3001	B C 1A	Q6004	A C 2A
C1410	B C 3A	C3006	B C 1A	C3904	A C 3A	C4346	B C 4B	C6206	A C 1C	CN113	A C 3D	L3002	B C 1A	Q6101	A C 3B
C1411	B C 3A	C3007	B C 3A	C3905	A C 3B	C4347	B C 4B	C6207	A C 2C	DIODE		L3003	B C 1A	Q6102	A C 3B
C1412	B C 3A	C3008	B C 3A	C3906	A C 3B	C4348	B C 4B	C6208	A C 3A	D1001	B C 4A	L3004	B C 1A	Q6201	A C 1B
C1413	B C 3B	C3011	B C 2A	C3907	A C 3B	C4349	B C 5C	C6209	A C 1C	D1002	A C 1B	L3005	B C 1A	Q6202	A C 2A
C1414	B C 3B	C3012	B C 2A	C3908	A C 3B	C4350	B C 5B	C6210	A C 2C	D1301	A C 3A	L3006	B C 3A	Q6203	A C 1C
C1415	B C 3B	C3013	B C 2A	C3909	A C 3B	C4351	A C 4C	C6211	A C 3A	D1302	B C 3A	L3007	B C 3A	Q6204	A C 1C
C1416	B C 3A	C3014	B C 2A	C3910	A C 4B	C4804	A C 4C	C6212	A C 1C	D1602	B C 3D	L3008	B C 3A	Q6205	A C 3B
C1417	B C 3A	C3015	B C 2A	C3911	A C 4A	C4805	A C 4B	C6213	A C 2B	D1603	B C 4D	L3009	B C 3A	Q6206	A C 3B
C1418	B C 3A	C3016	B C 2A	C3912	A C 4A	C4806	A C 3C	C6214	A C 1C	D1604	B C 3C	L3010	B C 1A	Q6207	A C 2B
C1419	B C 3A	C3017	B C 2A	C3913	A C 4A	C4807	A C 3C	C6215	A C 1B	D2001	A C 4A	L3011	B C 1A	Q6208	A C 1C
C1420	B C 3A	C3018	B C 2A	C3914	A C 3A	C4808	A C 4C	C6216	A C 3A	D2002	A C 4A	L3012	B C 1A	Q6210	A C 1B
C1601	B C 3C	C3021	B C 3A	C3915	A C 3A	C4809	A C 4C	C6217	A C 1B	D3001	B C 3A	L3013	B C 3A	Q6211	A C 1B
C1602	B C 3C	C3022	B C 3A	C3916	A C 3A	C4810	A C 4C	C6218	A C 1B	D3002	B C 3B	L3501	A C 3C	Q6212	A C 3B
C1603	B C 3C	C3023	B C 3A	C3917	A C 3B	C4811	A C 4C	C6219	A C 2A	D3003	B C 3A	L3502	A C 3C	Q6213	A C 2B
C1604	B C 3C	C3024	B C 3A	C3918	A C 4B	C4812	A C 4C	C6220	A C 1B	D3701	A C 1A	L3503	A C 2B	Q6214	A C 2B
C1605	B C 3C	C3025	B C 1A	C3919	A C 4B	C4813	A C 3B	C6221	A C 2B	D5501	A C 3C	L3504	A C 2C	Q6215	A C 3B
C1606	B C 3C	C3026	B C 1A	C3920	A C 4B	C4814	A C 4C	C6222	A C 2B	D6002	A C 2A	L3505	A C 2C	Q6216	A C 3B
C1607	B C 3D	C3027	B C 1A	C3921	A C 4A	C4815	A C 3B	C6223	A C 1B	D6201	A C 2B	L3701	A C 1A	Q6217	A C 2B
C1608	B C 3D	C3028	B C 1A	C3922	A C 4A	C4816	A C 3B	C6224	A C 3A	D6202	A C 2C	L3901	A C 3B	Q6701	A C 2D
C1609	B C 3D	C3029	B C 1A	C3923	A C 4A	C4817	A C 3B	C6225	A C 3B	D6203	A C 1C	L3902	A C 3B	Q8001	B C 3C
C1610	B C 3D	C3030	B C 3B	C3924	A C 4B	C4818	A C 3B	C6226	A C 2B	D6204	A C 1B	L3903	A C 4B	Q8401	A C 3B
C1611	B C 3D	C3031	B C 3A	C3925	A C 4B	C4819	A C 3B	C6227	A C 2B	D6205	A C 1B	L3904	A C 3A	RESISTOR	
C1612	B C 3D	C3032	B C 3B	C3926	A C 4B	C4820	A C 4C	C6228	A C 3B	D6206	A C 2B	L3951	A C 3B	R1001	B C 4A
C1613	B C 3D	C3033	B C 3A	C3927	A C 4B	C4821	A C 4C	C6229	A C 1B	D6207	A C 2B	L3952	A C 3B	R1002	B C 5B
C1614	B C 3D	C3034	B C 3A	C3928	A C 4B	C4822	A C 3C	C6230	A C 3B	D6701	A C 2C	L4201	B C 4C	R1003	B C 5B
C1615	B C 3D	C3035	B C 3A	C3929	A C 4B	C4823	A C 4B	C6231	A C 5B	D6702	A C 2C	L4301	B C 4C	R1004	B C 5B
C1616	B C 3D	C3036	B C 3A	C3930	A C 4B	C4824	A C 4B	C6232	A C 2C	D8051	B C 2C	L4302	B C 4C	R1005	B C 5B
C1617	B C 3D	C3037	B C 3A	C3931	A C 4B	C4825	A C 4B	C6233	A C 2C	D8401	A C 5B	L4303	B C 5B	R1006	B C 5B
C1618	B C 3C	C3038													

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
R1020	B C 3A	R1609	B C 3D	R3024	B C 1A	R4313	B C 5B	R6009	A C 1A	R8025	B C 2C	TL4202	B C 5D
R1021	B C 3A	R1610	B C 3C	R3026	B C 2B	R4314	B C 5B	R6010	A C 2A	R8026	B C 2C	TL4203	B C 5C
R1022	B C 3A	R1611	B C 4D	R3027	B C 3A	R4315	B C 5B	R6011	A C 2A	R8027	B C 2D	TL4301	B C 3C
R1023	B C 4B	R1612	B C 3C	R3028	B C 2B	R4316	B C 4B	R6012	A C 2A	R8028	B C 2C	TL4302	B C 4B
R1024	B C 4B	R1613	B C 3C	R3029	B C 2B	R4317	B C 4B	R6013	A C 2A	R8030	B C 3C	TL4303	B C 4B
R1025	B C 4B	R1614	B C 3C	R3030	B C 3B	R4318	B C 4B	R6014	A C 1B	R8031	B C 3C	TL4304	B C 4C
R1026	B C 4B	R1615	B C 3C	R3031	B C 3A	R4319	B C 4B	R6015	A C 1B	R8035	B C 3B	TL4305	B C 4B
R1027	B C 4B	R1616	B C 3C	R3032	B C 3A	R4320	B C 4B	R6016	A C 1B	R8036	B C 3C	TL4306	B C 4B
R1028	B C 4B	R1617	B C 3C	R3033	B C 3A	R4321	B C 4B	R6101	A C 2B	R8037	B C 1C	TL4307	B C 4B
R1029	B C 5A	R1618	B C 3C	R3034	B C 3A	R4322	B C 4B	R6102	A C 2B	R8038	B C 1C	TL4308	B C 4B
R1030	B C 5A	R1619	B C 3C	R3035	B C 2B	R4323	B C 4B	R6103	A C 3B	R8053	B C 2C	TL4309	B C 4B
R1031	B C 4B	R1620	B C 3C	R3036	B C 2A	R4324	B C 4B	R6104	A C 3B	R8056	B C 2C	TL4310	B C 4B
R1032	B C 4B	R1621	B C 3C	R3041	B C 1A	R4325	B C 4B	R6105	A C 2B	R8057	B C 2C	TL4311	B C 4B
R1033	B C 5A	R1622	B C 2C	R3042	B C 1A	R4326	B C 4B	R6106	A C 3B	R8059	B C 2C	TL4312	B C 4B
R1034	B C 5A	R1624	B C 3D	R3043	B C 1A	R4327	B C 4B	R6107	A C 3B	R8060	B C 2C	TL4313	B C 4B
R1035	B C 5A	R1625	B C 3B	R3044	B C 1A	R4330	B C 4B	R6108	A C 3B	R8401	A C 3C	TL4314	B C 4B
R1036	B C 3B	R1626	B C 3B	R3046	B C 1A	R4331	B C 4B	R6109	A C 3B	R8402	A C 3C	TL4405	B C 4B
R1037	B C 4A	R1628	B C 3C	R3047	B C 1A	R4332	B C 4B	R6110	A C 3A	R8403	A C 3C	TL4801	A C 3B
R1038	B C 4A	R1629	B C 3C	R3049	B C 1A	R4333	B C 4B	R6113	A C 3A	R8404	A C 3B	TL5501	A C 4C
R1039	B C 4A	R1630	A C 3A	R3050	B C 1A	R4334	B C 4B	R6114	A C 2A	R8406	A C 5B	TL5502	A C 4C
R1040	B C 4A	R1631	A C 3A	R3052	B C 2A	R4335	B C 4B	R6115	A C 2A	R8407	A C 5B	TL5503	A C 4C
R1041	B C 4A	R1635	B C 4D	R3053	B C 2A	R4336	B C 4B	R6116	A C 2A	R8408	A C 5B	TL5504	A C 4C
R1042	B C 4A	R1636	B C 4D	R3054	B C 1A	R4338	B C 4C	R6117	A C 2A	R8409	A C 5B	X1001	B C 4A
R1043	B C 4A	R1637	B C 4D	R3055	B C 1A	R4340	B C 4B	R6118	A C 2B	RA1001	B C 5A	X1002	B C 5A
R1044	B C 5A	R1638	B C 3C	R3501	A C 2C	R4342	B C 5B	R6122	A C 3B	RA1002	B C 5A	X5501	A C 4C
R1045	B C 5A	R1639	B C 3C	R3502	A C 2C	R4343	B C 5B	R6123	A C 2B	RA1003	B C 5A	X8001	B C 2D
R1046	B C 5A	R1640	B C 3C	R3503	A C 2C	R4344	B C 5B	R6124	A C 2B	RA1004	B C 5A	X8401	A C 3C
R1047	B C 5A	R1641	B C 3C	R3504	A C 2C	R4345	B C 4C	R6201	A C 3A	RA1005	B C 5A		
R1048	B C 5A	R1643	B C 3C	R3505	A C 2C	R4346	A C 2B	R6202	A C 3A	RA1006	B C 4A		
R1049	B C 5A	R1646	B C 3C	R3506	A C 2C	R4347	B C 4B	R6203	A C 3A	RA1007	B C 5A		
R1050	B C 5A	R2006	A C 4A	R3507	A C 3C	R4348	B C 4B	R6204	A C 2A	RA1008	B C 4A		
R1051	B C 4A	R2007	A C 4A	R3508	A C 3C	R4349	B C 5B	R6205	A C 2A	RA1009	B C 5A		
R1052	B C 4A	R2008	A C 4A	R3509	A C 2C	R4350	B C 4B	R6206	A C 2A	RA1010	B C 5A		
R1053	B C 4A	R2009	A C 4A	R3510	A C 3C	R4351	B C 5B	R6207	A C 2A	RA1401	B C 3B		
R1054	B C 4A	R2010	A C 4A	R3521	A C 3C	R4804	A C 3C	R6208	A C 3A	RA1402	B C 3B		
R1055	B C 4A	R2011	A C 4A	R3522	A C 2C	R4805	A C 3C	R6209	A C 3A	RA1403	B C 3B		
R1056	B C 4A	R2012	A C 4A	R3701	A C 3A	R4806	A C 4C	R6210	A C 3A	RA3001	B C 3A		
R1057	B C 4A	R2013	A C 4A	R3702	A C 3A	R4807	A C 4C	R6211	A C 3A	RA4301	B C 4D		
R1058	B C 4A	R2014	A C 4A	R3703	A C 3A	R4808	A C 4C	R6212	A C 3A	RA4302	B C 4D		
R1059	B C 4A	R2015	A C 4A	R3704	B C 5B	R4809	A C 3C	R6213	A C 3B	RA4303	B C 4D		
R1060	B C 4A	R2016	A C 4A	R3705	B C 5B	R4810	A C 4C	R6214	A C 3B	RA4304	B C 3C		
R1061	B C 3A	R2017	A C 5A	R3706	A C 3A	R4811	A C 4C	R6215	A C 3B	RA4305	B C 3C		
R1062	B C 3A	R2018	A C 4A	R3707	A C 3A	R4812	A C 4C	R6216	A C 3B	RA4306	B C 3B		
R1080	B C 3A	R2019	A C 4A	R3708	A C 3A	R4813	A C 4C	R6217	A C 2B	RA8401	A C 3C		
R1302	B C 3A	R2020	A C 4A	R3709	A C 1A	R4814	A C 4C	R6218	A C 2B	RA8402	A C 3C		
R1305	B C 3A	R2023	A C 4A	R3710	A C 1A	R4815	A C 4C	R6219	A C 3A	RA8403	A C 3C		
R1306	B C 3A	R2024	A C 4A	R3711	A C 1A	R4816	A C 4C	R6220	A C 3A	RA8404	A C 3C		
R1401	B C 3B	R2025	A C 4A	R3712	A C 1A	R4817	A C 3C	R6221	A C 3A	OTHER			
R1402	B C 3B	R2026	A C 4A	R3713	A C 1A	R4818	A C 3C	R6223	A C 3A	F6101	A C 1B		
R1403	B C 3B	R2027	A C 4A	R3714	A C 1A	R4819	A C 4B	R6224	A C 2A	J101	A D 1A		
R1407	B C 3B	R2028	A C 4A	R3715	A C 1A	R4820	A C 3B	R6225	A C 2A	S6001	A C 1C		
R1408	B C 3B	R2029	A C 4B	R3716	A C 1A	R4821	A C 4B	R6226	A C 3A	TL1001	B C 4A		
R1409	B C 3B	R2101	A C 5A	R3717	A C 1A	R4822	A C 4B	R6227	A C 3A	TL1002	B C 4A		
R1410	B C 3B	R2102	A C 5A	R3718	A C 1A	R4823	A C 4B	R6228	A C 3A	TL1003	B C 4A		
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R1412	B C 3B	R2104	A C 5A	R3721	A C 1A	R4829	A C 3B	R6230	A C 3A	TL1401	B C 3B		
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R1414	B C 3A	R2106	A C 5A	R3723	A C 1A	R4833	A C 4B	R6232	A C 3B	TL1403	B C 3B		
R1415	B C 3A	R2107	A C 4A	R3724	A C 3A	R4836	A C 4C	R6233	A C 3B	TL1404	B C 3B		
R1416	B C 3A	R2108	A C 5A	R3901	A C 3A	R4845	A C 4C	R6234	A C 3B	TL1406	B C 3A		
R1417	B C 3B	R2109	A C 5A	R3904	A C 4A	R4848	A C 3B	R6235	A C 3B	TL1407	B C 3A		
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R1420	B C 3A	R2112	A C 5A	R3951	A C 3A	R4856	A C 4B	R6238	A C 3B	TL1410	B C 3A		
R1422	B C 3B	R2113	A C 5A	R3952	A C 3A	R4857	A C 4B	R6239	A C 3B	TL1411	B C 3A		
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R1424	B C 3B	R2117	A C 5A	R3954	A C 3A	R4862	A C 4C	R6241	A C 3B	TL1413	B C 3B		
R1425	B C 3B	R2118	A C 5A	R3955	A C 3A	R4863	A C 4C	R6242	A C 2B	TL1414	B C 3A		
R1426	B C 3B	R2119	A C 5A	R3956	A C 3A	R4864	A C 4C	R6243	A C 2B	TL1415	B C 3A		
R1427	B C 3B	R2120	A C 5A	R3961	A C 3B	R4865	A C 4C	R6244	A C 2B	TL1416	B C 3A		
R1428	B C 3B	R2127	A C 5A	R3962	A C 3B	R4866	A C 4C	R6245	A C 2B	TL1601	B C 3C		
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R1430	B C 3B	R2129	A C 5B	R3964	A C 3B	R4868	A C 4C	R6701	A C 2C	TL1603	B C 3C		
R1432	B C 3A	R2130	A C 5A	R3965	A C 3B	R4870	A C 4B	R6702	A C 2C	TL1604	B C 3D		
R1433	B C 3A	R2201	A C 5A	R3966	A C 3B	R4874	A C 4B	R6703	A C 2C	TL1605	A C 3A		
R1434	B C 3A	R2202	A C 5A	R3967	A C 3B	R5501	A C 4C	R6712	A C 1A	TL1606	A C 3A		
R1435	B C 3A	R3002	B C 2A	R3968	A C 3B	R5503	A C 4C	R6713	A C 1A	TL1607	A C 3B		
R1436	B C 3A	R3004	B C 2A	R3969	A C 3B	R5504	A C 4C	R8001	B C 3C	TL1608	A C 3B		
R1437	B C 3A	R3007	B C 2A	R4201	B C 5C	R5505	A C 4C	R8002	B C 2C	TL1609	A C 3B		
R1439	B C 3A	R3008	B C 2A	R4202	B C 5C	R5506	A C 4C	R8003	B C 2C	TL1610	A C 3B		
R1440	B C 3A	R3009	B C 3A	R4203	B C 5C	R5507	A C 4C	R8004	B C 1C	TL1611	B C 2C		
R1441	B C 3A	R3010	B C 3A	R4204	B C 5D	R5509	A C 4C	R8006	B C 2B	TL1612	B C 3D		
R1442	B C 3A	R3011	B C 3A	R4205	B C 4C	R5510	A C 4C	R8013	B C 2C	TL1613	B C 3B		
R1443	B C 3A	R3013	B C 2A	R4206	B C 4C	R5511	A C 4C	R8014	B C 2C	TL1614	B C 3D		
R1444	B C 3A	R3014	B C 2A	R4207	B C 4C	R5512	A C 4C	R8015	B C 1C	TL1615	B C 3D		
R1445	B C 3A	R3015	B C 2A	R4208	B C 4C	R5513	A C 4C	R8016	B C 1C	TL1616	B C 3C		
R1601	B C 3C	R3016	B C 1A	R4301	B C 4B	R5514	A C 4C	R8017	B C 1C	TL1617	B C 3C		
R1602	B C 3C	R3017	B C 1A	R4302	B C 3C	R5515	A C 4C	R8018	B C 1C	TL1618	B C 3C		
R1603	B C 3C	R3018	B C 1A	R4303	B C 5C	R5516	A C 4C	R8019	B C 1C	TL1619	B C 3C		
R1604	B C 3C	R3019	B C 1A	R4304	B C 5C	R6001	A C 2A	R8020	B C 1C	TL3001	B C 1C		
R1605	B C 3D	R3020	B C 1A	R4307	B C 5C	R6002	A C 2A	R8021	B C 1C	TL3002	B C 2A		
R1606	B C 2C	R3021	B C 1A	R4308	B C 5C	R6003	A C 2A	R8022	B C 2C	TL3004	B C 1C		
R1607	B C 3C	R3022	B C 1A	R4311	B C 5B	R6004	A C 2A	R8023	B C 2C	TL3501	B C 1C		
R1608	B C 3C	R3023	B C 1A	R4312	B C 5B	R6005	A C 2A	R8024	B C 2C	TL4201	B C 4C		

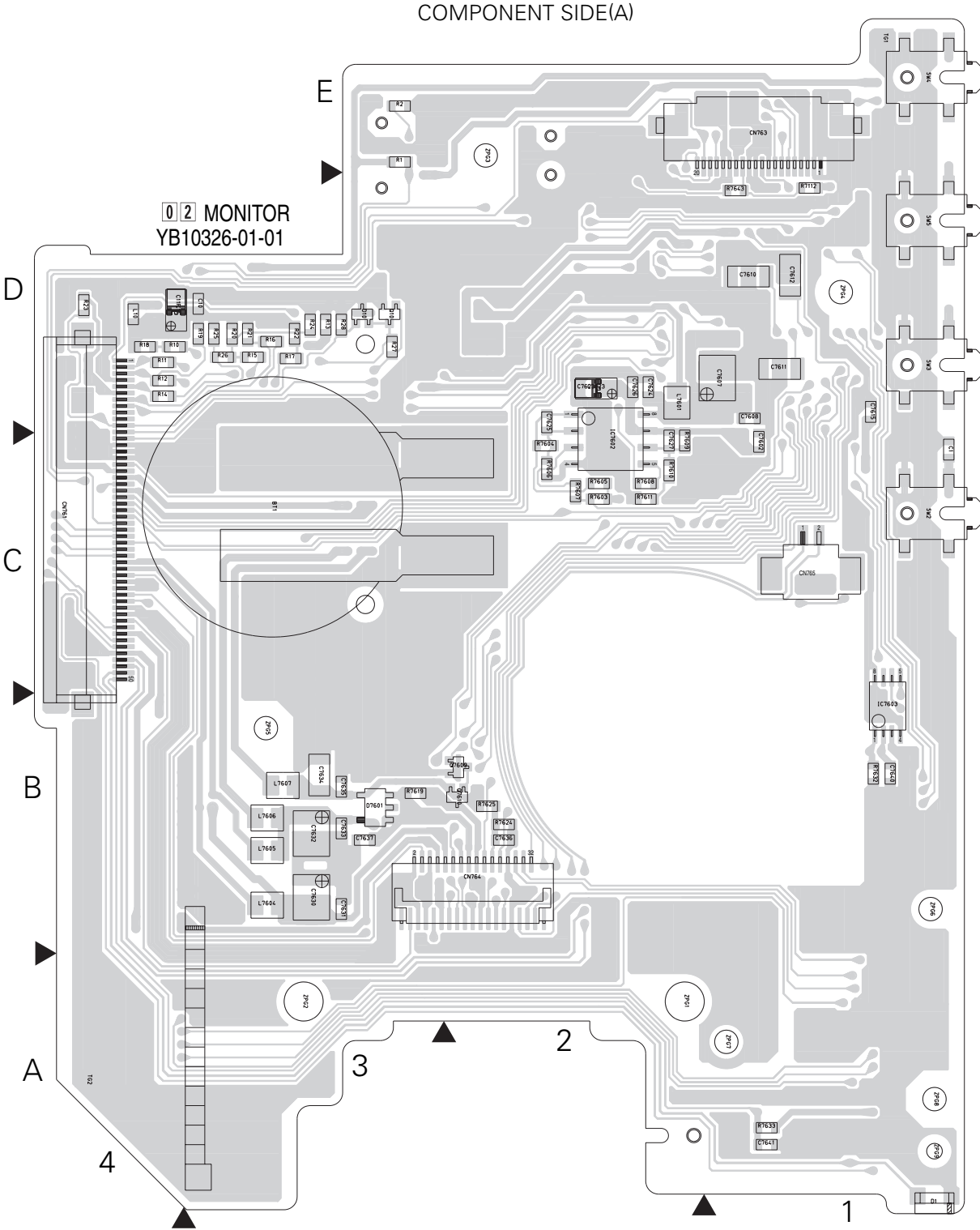
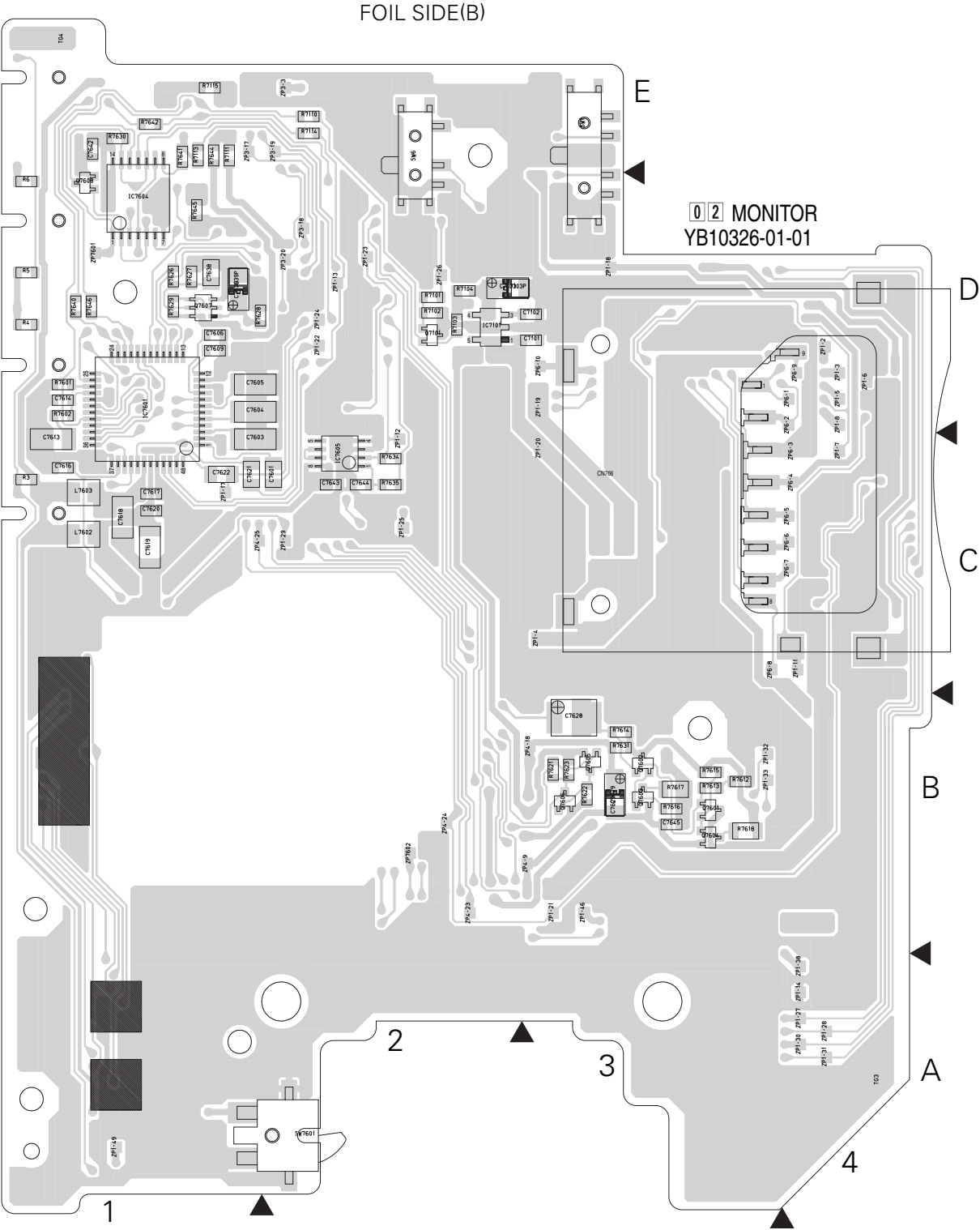
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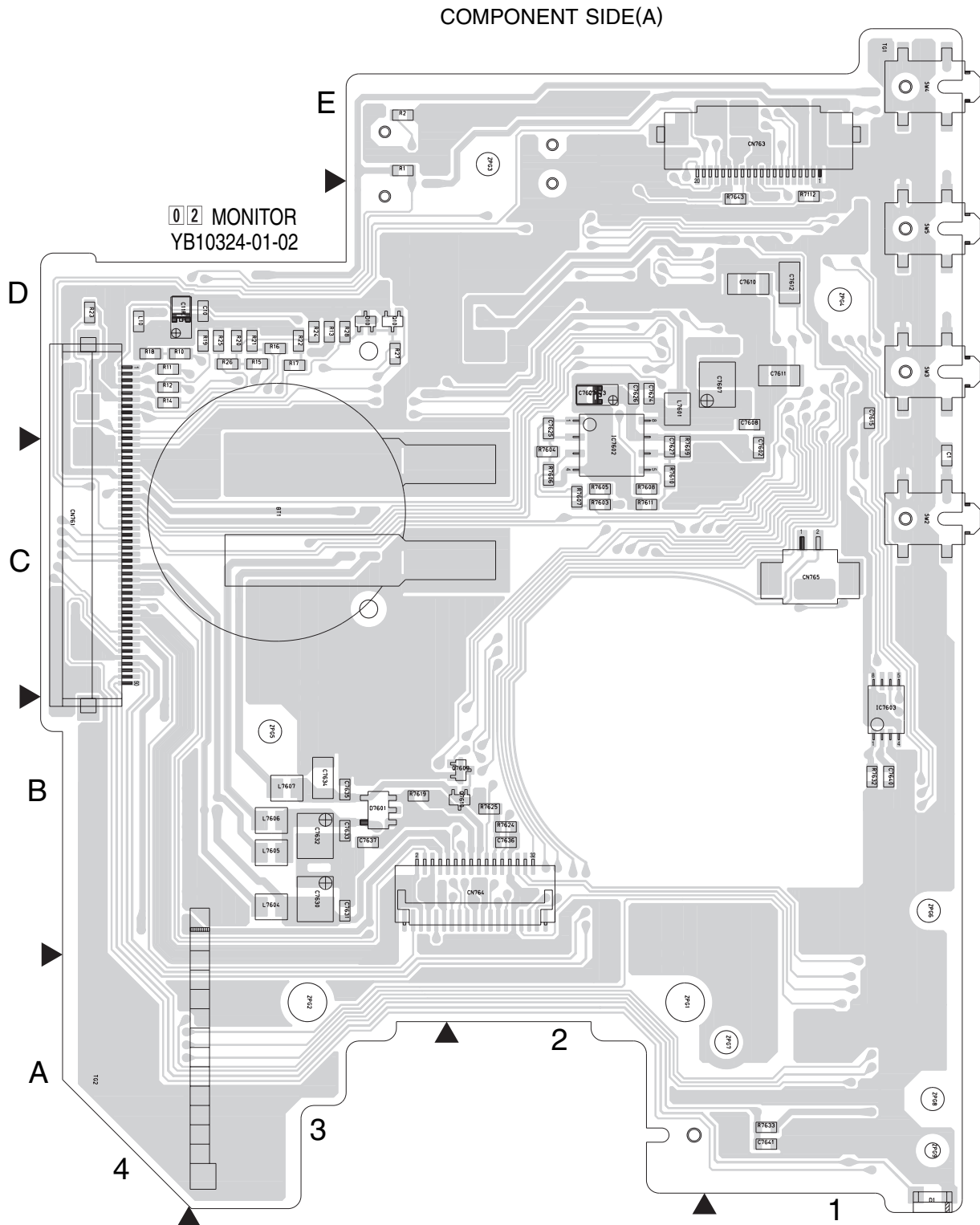
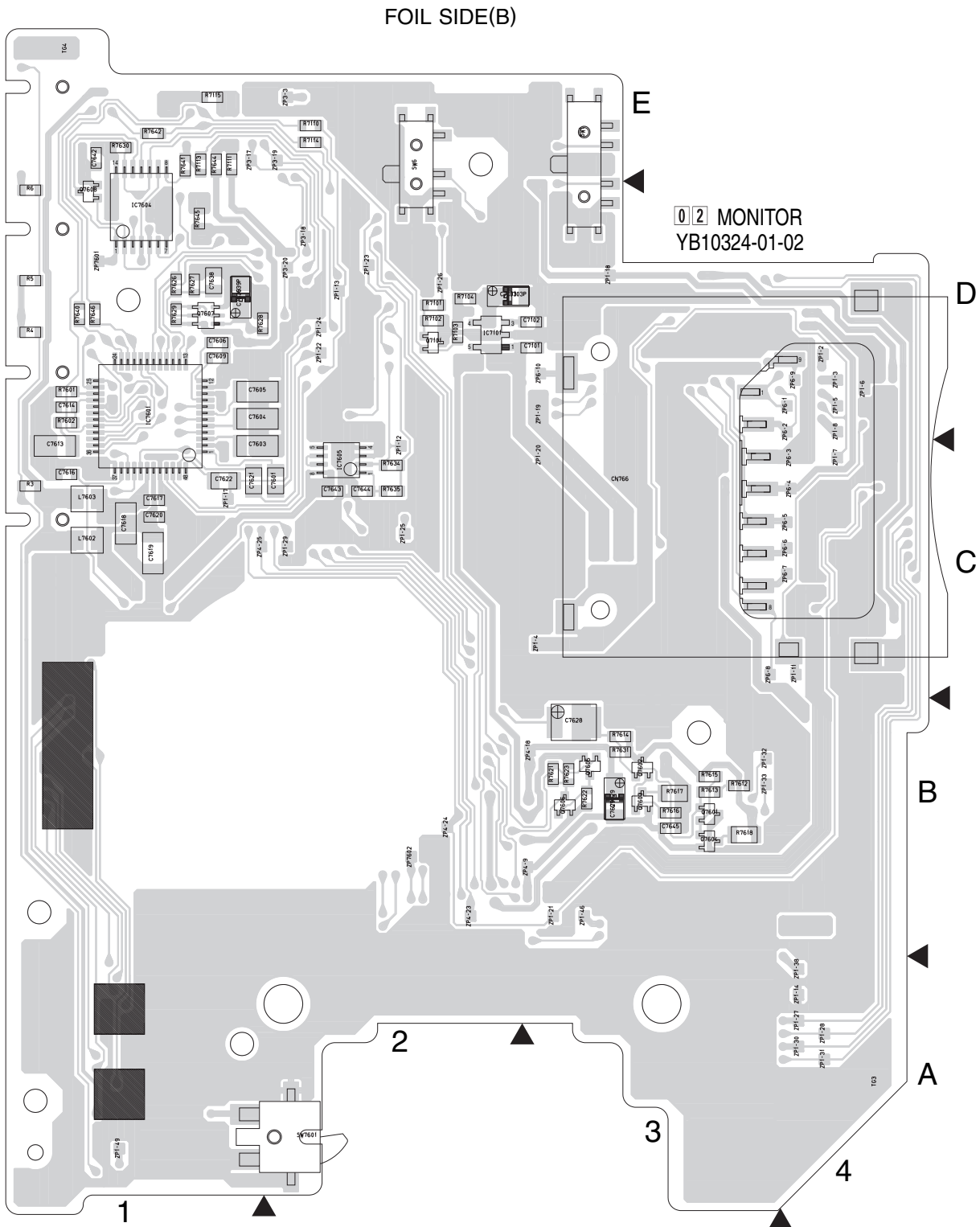
4.24 MONITOR CIRCUIT BOARD [GR-DVL355EG/EK, DVL357EG/EK]



COMPONENT PARTS LOCATION GUIDE <MONITOR>

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CAPACITOR		C7609	B C 1D	C7624	A C 2D	C7639	B A C 1D	DIODE		L7602	B B C 1C	C7607	B B C 1D	R14	A A C 4D	R7101	B B C 2D	R7606	A A C 2C	R7622	B B C 3B	R7641	B B C 1E	SW3	A A C 1D	ZP3-3	B B C 2E	ZP1-17	B B C 1C	ZP1-32	B B C 3B	ZP7602	B A C 2B
C1	A C 1C	C7610	A C 3D	C7625	A C 2D	C7640	B A C 1B	D1	A C C 1A	L7603	B B C 1C	C7608	B B C 2D	R15	A A C 3D	R7102	B B C 2D	R7607	A A C 2C	R7623	B B C 3B	R7642	B B C 1E	SW4	A A C 1D	ZP4-9	B B C 2B	ZP1-18	B B C 3D	ZP1-33	B B C 3B	ZPG1	A B C 2A
C10	A C 3D	C7611	A C 1D	C7626	A C 2D	C7641	B A C 1A	D10	A C C 3D	L7604	A A C 3B	C7609	A A C 2B	R16	A A C 3D	R7103	B B C 2D	R7608	A A C 2C	R7624	A A C 2B	R7643	A A C 1D	SW5	A A C 1D	ZP6-1	B B C 3D	ZP1-19	B B C 3D	ZP1-38	B B C 4A	ZPG2	A B C 2A
C11	A C 3D	C7612	A C 1C	C7627	A C 2C	C7642	B B C 1E	D7601	A C C 3B	L7605	A A C 3B	C7610	A A C 2B	R17	A A C 3D	R7104	B B C 2D	R7609	A A C 2C	R7625	A A C 2B	R7644	B B C 1E	SW6	B B C 2E	ZP6-2	B B C 3C	ZP1-20	B B C 3C	ZP1-46	B B C 3B	ZPG3	A D 2E
C7101	B C 2D	C7613	B C 1C	C7628	B C 3B	C7643	B B C 2C	IC		L7606	A A C 3B	RESISTOR		R18	A A C 4D	R7110	B B C 2E	R7610	A A C 2C	R7626	B B C 1D	R7645	B B C 1D	SW7601	B A C 2A	ZP6-3	B B C 3C	ZP1-21	B B C 3B	ZP1-49	B C 1A	ZPG4	A D 1D
C7102	B C 2D	C7614	B C 1D	C7629	B C 3B	C7644	B B C 2C	TRANSISTOR		L7607	A A C 3B	R19	A A C 3D	R7111	B B C 1E	R7111	B B C 1E	R7611	A A C 2C	R7627	B B C 1D	R7646	B B C 1D	TM1	A A C 4A	ZP6-4	B B C 3C	ZP1-22	B B C 2D	ZP3-17	B B C 1E	ZPG5	A D 3B
C7103	B C 2D	C7615	A C 1D	C7630	A C 3B	C7645	B B C 3B	IC7101	B B C 2D	CONNECTOR		IC7601	B B C 1D	R20	A A C 3D	R7112	B B C 1D	R7612	B B C 3B	R7628	B B C 1D	OTHER		TM03	A A C 4E	ZP6-5	B B C 3C	ZP1-23	B B C 2D	ZP3-18	B B C 2D	ZPG6	A D 1B
C7601	B C 1C	C7616	B C 1C	C7631	A C 3B	TRANSISTOR		IC7602	A A C 2C	Q10	A A C 3D	R21	A A C 3D	R7113	B B C 1E	R7113	B B C 1E	R7613	B B C 3B	R7629	B B C 1D	BT1	A A C 4E	ZP6-6	B B C 3C	ZP1-24	B B C 2D	ZP3-19	B B C 1E	ZPG7	A D 1A		
C7602	A C 1C	C7617	B C 1C	C7632	A C 3B	CN761	A A C 4D	IC7603	A A C 1B	Q101	B B C 2D	R22	A A C 3D	R7114	B B C 2E	R7114	B B C 2E	R7614	B B C 3B	R7630	B B C 1E	C11P	A A C 3C	ZP1-2	B B C 4D	ZP6-7	B B C 3C	ZP1-25	B B C 2C	ZP3-20	B B C 2D	ZPG8	A D 1A
C7603	B C 1C	C7618	B C 1C	C7633	A C 3B	CN763	A A C 1E	IC7604	B B C 1D	Q7601	B B C 3B	R23	A A C 4D	R7115	B B C 1E	R7115	B B C 1E	R7615	B B C 3B	R7631	B B C 3B	C7103P	A A C 3D	ZP1-3	B B C 4D	ZP6-8	B B C 3C	ZP1-26	B B C 2D	ZP4-18	B B C 2B	ZPG9	A D 1A
C7604	B C 1D	C7619	B C 1C	C7634	A C 3B	CN764	A A C 3B	IC7605	B B C 2C	Q7602	B B C 3B	R24	A A C 3D	R7601	B B C 1D	R7616	B B C 1D	R7616	B B C 3B	R7632	A A C 1B	C7623P	A A C 2D	ZP1-4	B B C 3C	ZP6-9	B B C 3C	ZP1-27	B B C 4A	ZP4-23	B B C 2B		
C7605	B C 1D	C7620	B B C 1C	C7635	A A C 3B	CN765	A A C 1C	COIL		Q7603	B B C 3B	R10	A A C 3D	R7602	B B C 1D	R7617	B B C 1D	R7617	B B C 3B	R7633	A A C 1A	C7629P	A A C 2D	ZP1-5	B B C 4D	ZP1-11	B B C 4C	ZP1-28	B B C 4A	ZP4-24	B B C 2B		
C7606	B C 1C	C7621	B B C 1C	C7636	A A C 2B	CN766	B B C 4C	TRANSISTOR		Q7604	B B C 3B	R11	A A C 4D	R26	A A C 3D	R7603	B B C 2C	R7618	B B C 3B	R7634	B B C 2C	C7639P	B B C 1D	ZP1-6	B B C 4C	ZP1-12	B B C 2D	ZP1-29	B B C 2C	ZP4-25	B B C 1C		
C7607	A C 1D	C7622	B B C 1C	C7637	A A C 3B			L10	A A C 4D	Q7605	B B C 3B	R12	A A C 4D	R27	A A C 3D	R7604	A A C 2C	R7619	A A C 3B	R7635	B B C 2C	SW1	B B C 3E	ZP1-7	B B C 4C	ZP1-13	B B C 2D	ZP1-30	B B C 4A	ZP6-10	B B C 3D		
C7608	A C 1D	C7623	A A C 2D	C7638	B B C 1D	L7601	A A C 2D			Q7606	B B C 3B	R13	A A C 3D	R28	A A C 3D	R7605	A A C 2C	R7621	B B C 3B	R7640	B B C 1D	SW2	B A C 1C	ZP1-8	B B C 4C	ZP1-14	B B C 4A	ZP1-31	B B C 4A	ZP7601	B B C 1D		

4.25 MONITOR CIRCUIT BOARD [GR-DVL555EG/EK, DV557EG/EK]

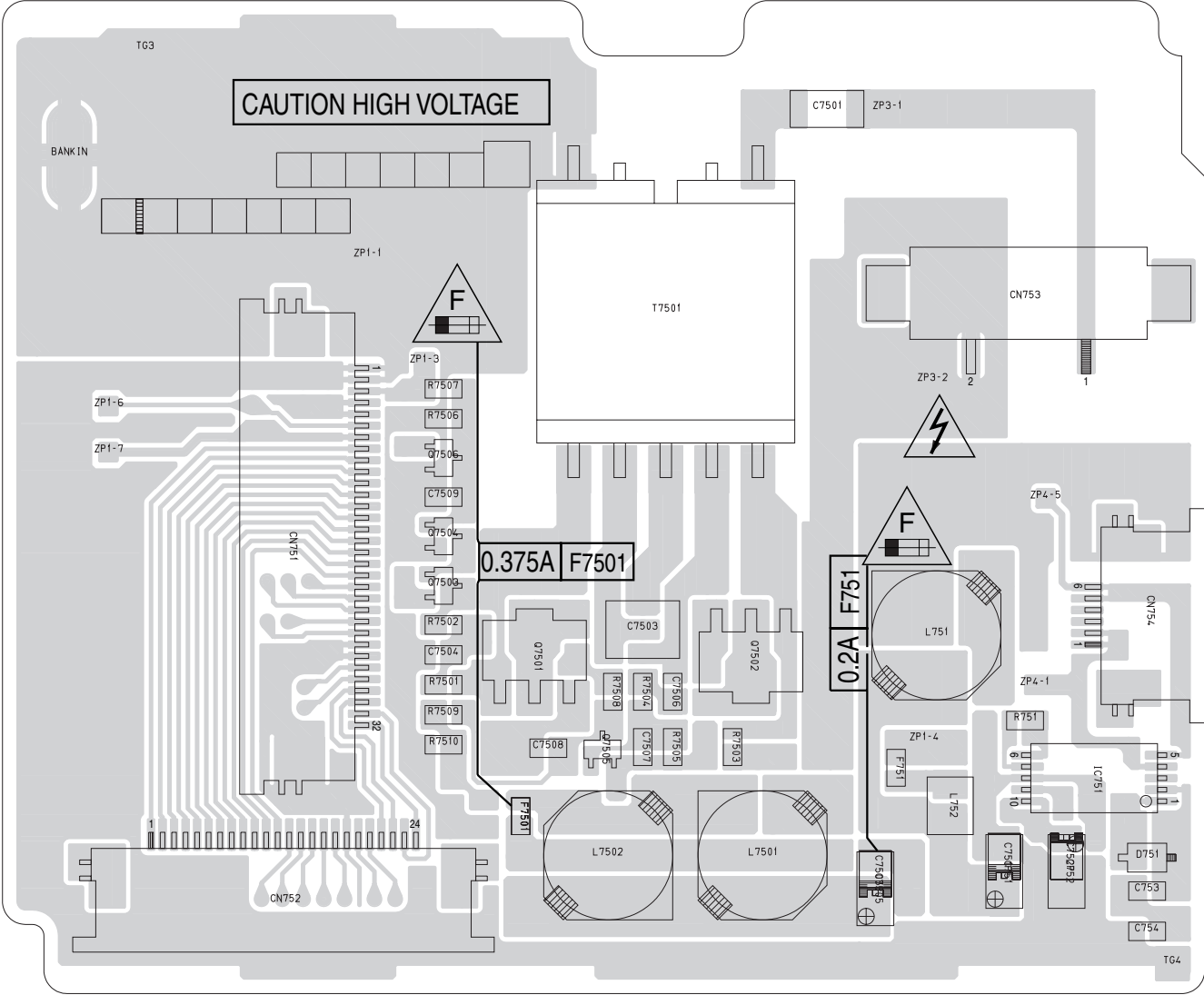


COMPONENT PARTS LOCATION GUIDE <MONITOR>

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CAPACITOR																													
C1	A C 1C	C7611	A C 1D	C7628	B C 3B	C7645	B C 3B	IC7603	A C 1B	Q7602	B C 3B	R10	A C 4D	R27	A C 3D	R7606	A C 2C	R7624	A C 2B	R7645	B C 1D	TM1	A C 4A	ZP6-8	B C 4C	ZP1-28	B C 4A	ZP6-10	B C 3D
C10	A C 3D	C7612	A C 1D	C7629	B C 3B	CONNECTOR		IC7604	B C 1D	Q7603	B C 3B	R11	A C 4D	R28	A C 3D	R7607	A C 2C	R7625	A C 2B	R7646	B C 1D	ZP1-2	B C 4D	ZP6-9	B C 4D	ZP1-29	B C 2C	ZP7601	B C 1D
C11	A C 4D	C7613	B C 1C	C7630	A C 3B			IC7605	B C 2C	Q7604	B C 3B	R12	A C 4D	R7101	B C 2D	R7608	A C 2C	R7626	B C 1D	OTHER		ZP1-3	B C 4C	ZP1-11	B C 4C	ZP1-30	B C 4A	ZP7602	B C 2B
C7101	B C 3D	C7614	B C 1C	C7631	A C 3B	CN761	A C 4D	COIL		Q7605	B C 3B	R13	A C 3D	R7102	B C 2D	R7609	A C 2C	R7627	B C 1D	BT1	A C 3C	ZP1-4	B C 3C	ZP1-12	B C 2C	ZP1-31	B C 4A	ZPG1	A D 2A
C7102	B C 3D	C7615	A C 1D	C7632	A C 3B	CN763	A C 1E	L10	A C 4D	Q7606	B C 3B	R14	A C 4D	R7103	B C 2D	R7610	A C 2C	R7628	B C 2D	C11P	A C 4D	ZP1-5	B C 4D	ZP1-13	B C 2D	ZP1-32	B C 3B	ZPG2	A D 3A
C7103	B C 2D	C7616	B C 1C	C7633	A C 3B	CN764	A C 3B	L7601	A C 2D	Q7607	B C 1D	R15	A C 3D	R7104	B C 2D	R7611	A C 2C	R7629	B C 1D	C7103P	A C 4D	ZP1-6	B C 4D	ZP1-14	B C 4A	ZP1-33	B C 3B	ZPG3	A D 2E
C7601	A C 2C	C7617	B C 1C	C7634	A C 3B	CN765	A C 1C	L7602	B C 1C	Q7608	B C 1D	R16	A C 3D	R7110	B C 2E	R7612	B C 3B	R7630	B C 1E	C7623P	A C 4D	ZP1-7	B C 4C	ZP1-17	B C 1C	ZP1-34	B C 4A	ZPG4	A D 1D
C7602	A C 1C	C7618	B C 1C	C7635	A C 3B	CN766	B C 4C	L7603	B C 1C	Q7609	A C 2B	R17	A C 3D	R7111	B C 1E	R7613	B C 3B	R7631	B C 3B	C7629P	A C 4D	ZP1-8	B C 4D	ZP1-18	B C 3D	ZP1-35	B C 3B	ZPG5	A D 3B
C7603	A C 2C	C7619	B C 1C	C7636	A C 2B	DIODE		L7604	A C 1C	Q7610	A C 2B	R18	A C 4D	R7112	A C 1D	R7614	B C 3B	R7632	A C 1B	C7639P	A C 3B	ZP3-3	B C 2E	ZP1-19	B C 3D	ZP1-36	B C 1A	ZPG6	A D 1B
C7604	B C 2D	C7620	B C 1C	C7637	A C 3B	D1	A C 1A	L7605	A C 3B	RESISTOR		R19	A C 3D	R7113	B C 1E	R7615	B C 3B	R7633	A C 1A	SW1	B C 3C	ZP4-9	B C 3C	ZP1-20	B C 3C	ZP3-17	B C 1E	ZPG7	A D 1A
C7605	B C 2D	C7621	B C 2C	C7638	B C 1D	D10	A C 3D	L7606	A C 3B	R1	A C 3E	R20	A C 3D	R7114	B C 2E	R7616	B C 3B	R7634	B C 2C	SW2	A C 3C	ZP6-1	B C 4D	ZP1-21	B C 3B	ZP3-18	B C 2D	ZPG8	A D 1A
C7606	B C 1D	C7622	B C 1C	C7639	B C 1D	D7601	A C 3B	L7607	A C 3B	R2	A C 3E	R21	A C 3D	R7115	B C 1E	R7617	B C 3B	R7635	B C 2C	SW3	A C 1C	ZP6-2	B C 4D	ZP1-22	B C 2D	ZP3-19	B C 2E	ZPG9	A D 1A
C7607	A C 1D	C7623	A C 2D	C7640	A C 1B	IC		TRANSISTOR		R3	A C 1C	R22	A C 3D	R7601	B C 1D	R7618	B C 3B	R7640	B C 1D	SW4	A C 1C	ZP6-3	B C 4C	ZP1-23	B C 2D	ZP3-20	B C 2D		
C7608	A C 1D	C7624	A C 2D	C7641	A C 1A	IC7101	B C 2D	Q10	A C 3D	R4	B C 1D	R23	A C 4D	R7602	B C 1D	R7619	B C 3B	R7641	B C 1E	SW5	A C 1C	ZP6-4	B C 4C	ZP1-24	B C 2D	ZP4-18	B C 3B		
C7609	B C 1D	C7625	A C 2D	C7642	B C 1E	IC7601	B C 1D	Q7101	B C 2D	R5	B C 1D	R24	A C 3D	R7603	A C 2C	R7621	B C 3B	R7642	A C 1E	SW6	B C 2E	ZP6-5	B C 4C	ZP1-25	B C 2C	ZP4-23	B C 2B		
C7610	A C 1D	C7626	A C 2D	C7643	B C 2C	IC7602	A C 2C	Q7601	B C 2D	R6	B C 1D	R25	A C 3D	R7604	A C 2C	R7622	B C 3B	R7643	A C 1D	SW7601	B C 1C	ZP6-6	B C 4C	ZP1-26	B C 2D	ZP4-24	B C 2B		
		C7627	A C 2C	C7644	B C 2C			Q7601	B C 3B			R26	A C 3D	R7605	A C 2C	R7623	B C 3B	R7644	B C 1E			ZP6-7	B C 4C	ZP1-27	B C 4A	ZP4-25	B C 2C		

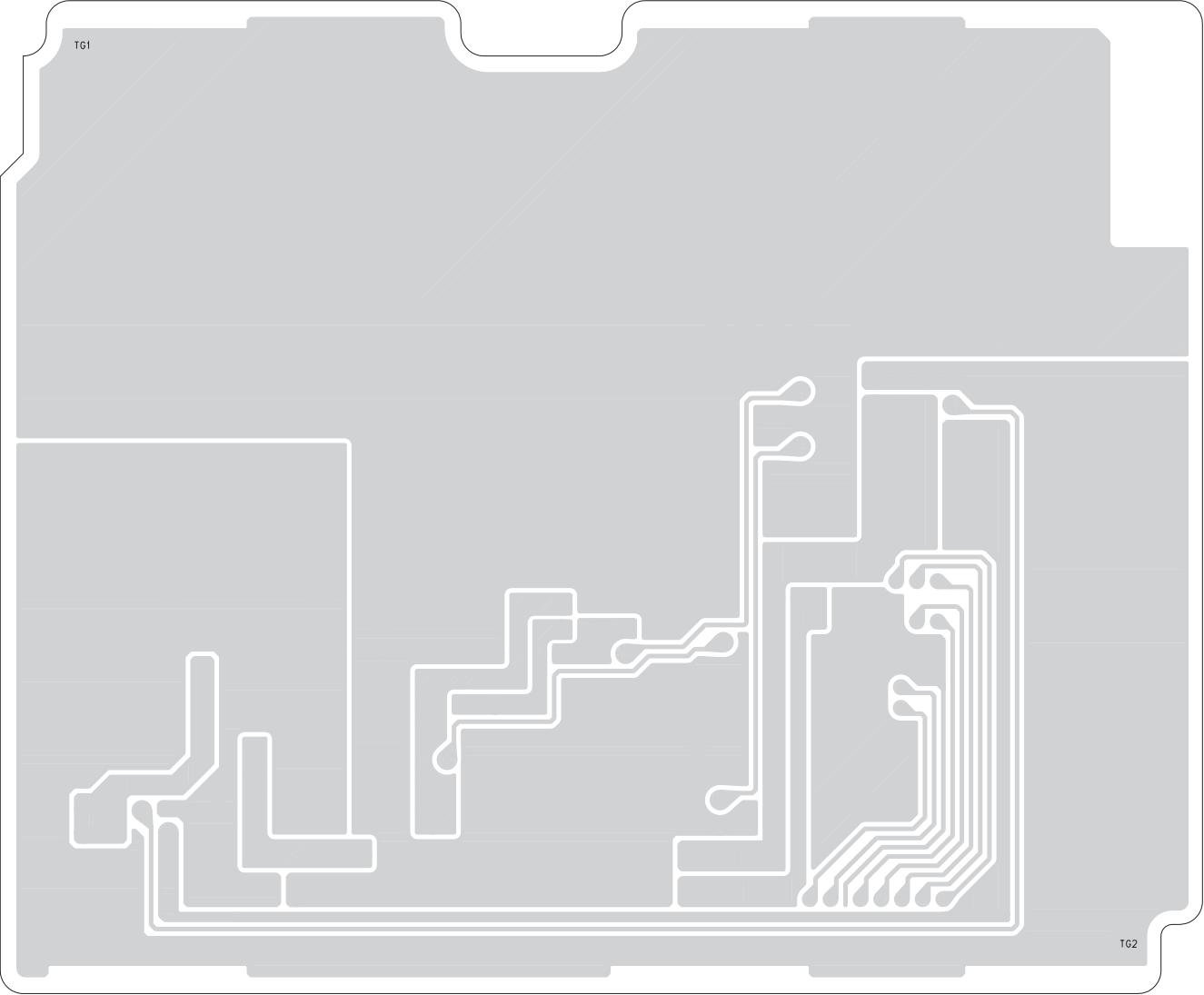
03 LCD BL
YB10325

FOIL SIDE(B)



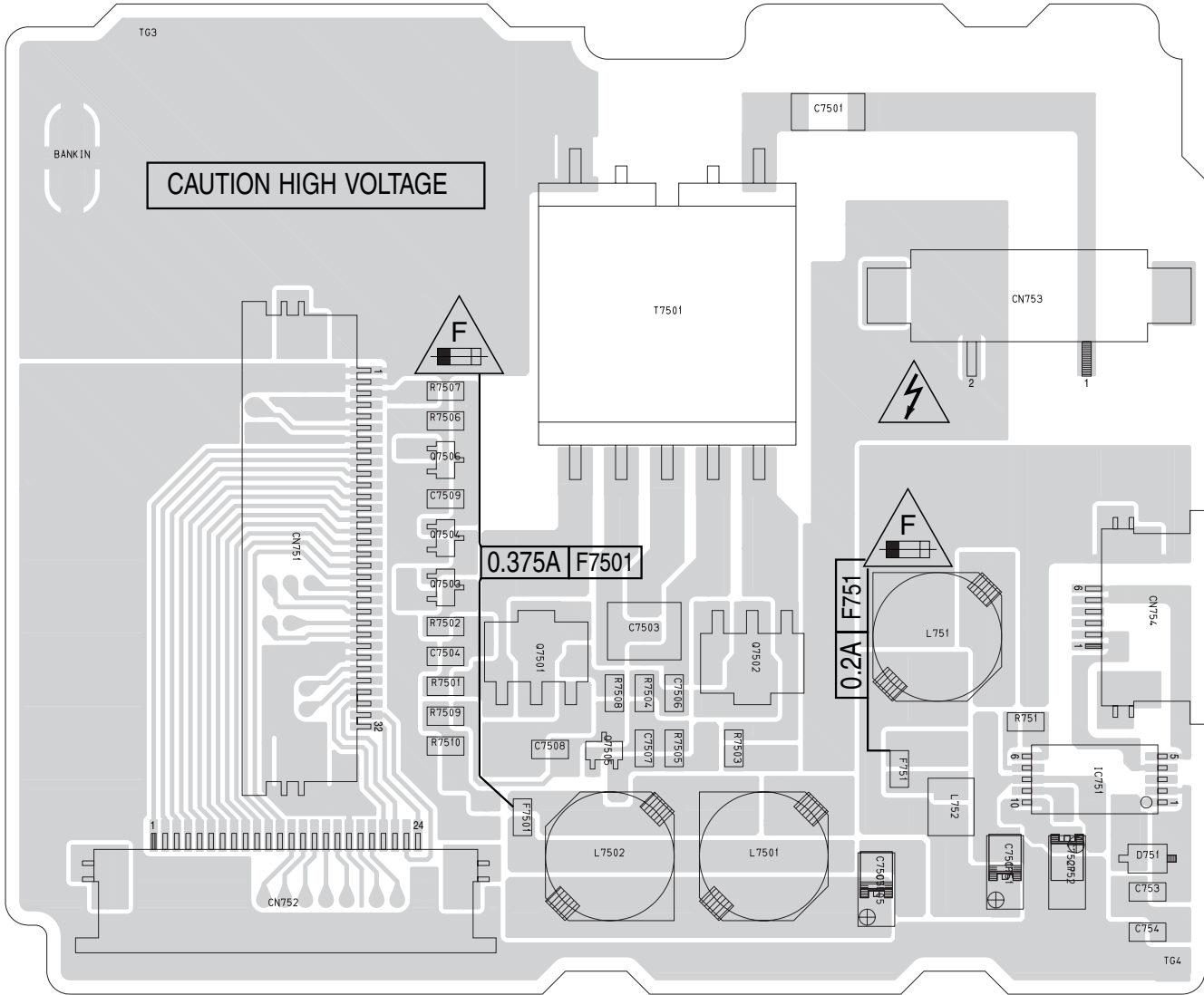
COMPONENT SIDE(A)

03 LCD BL
YB10325



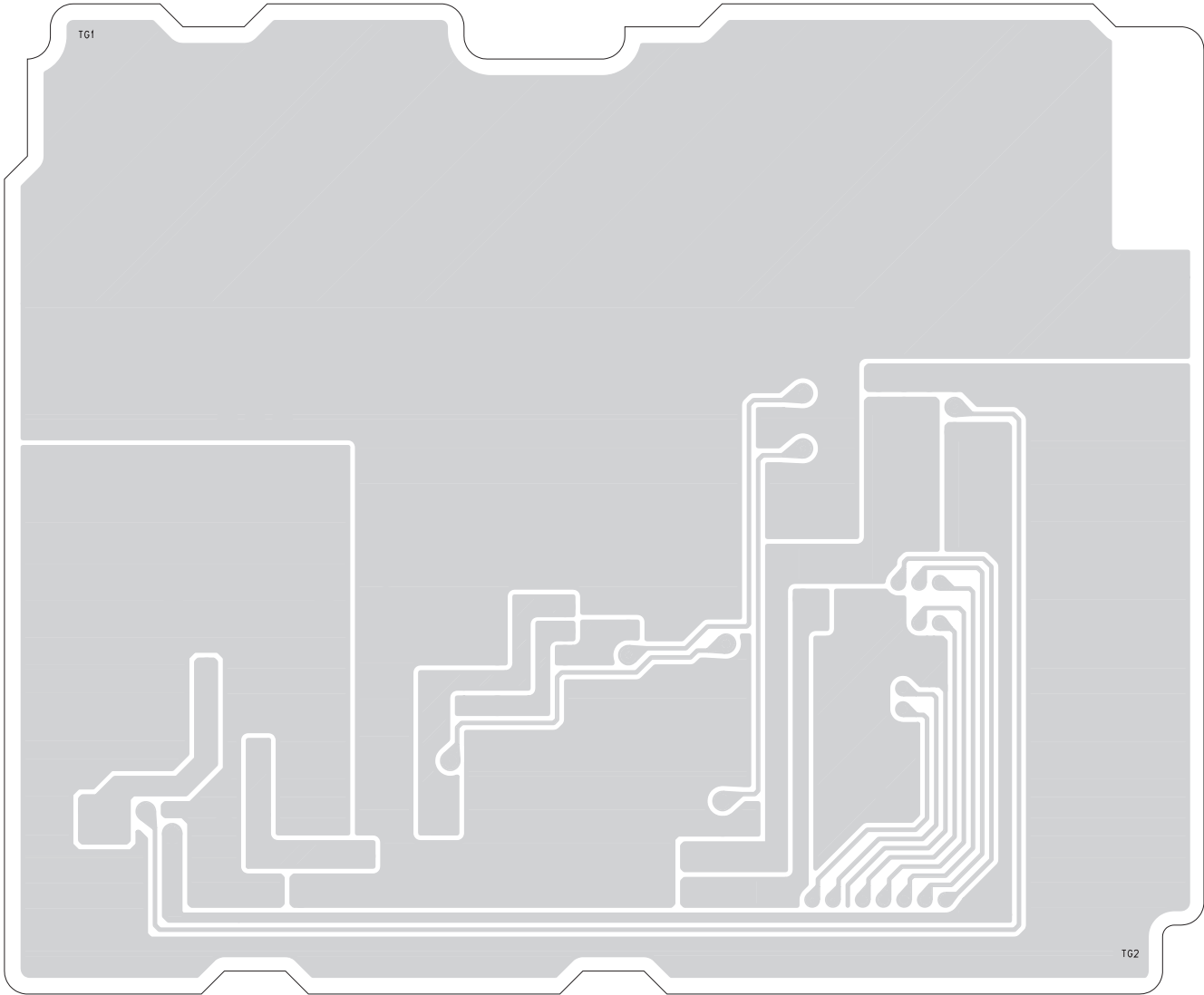
FOIL SIDE(B)

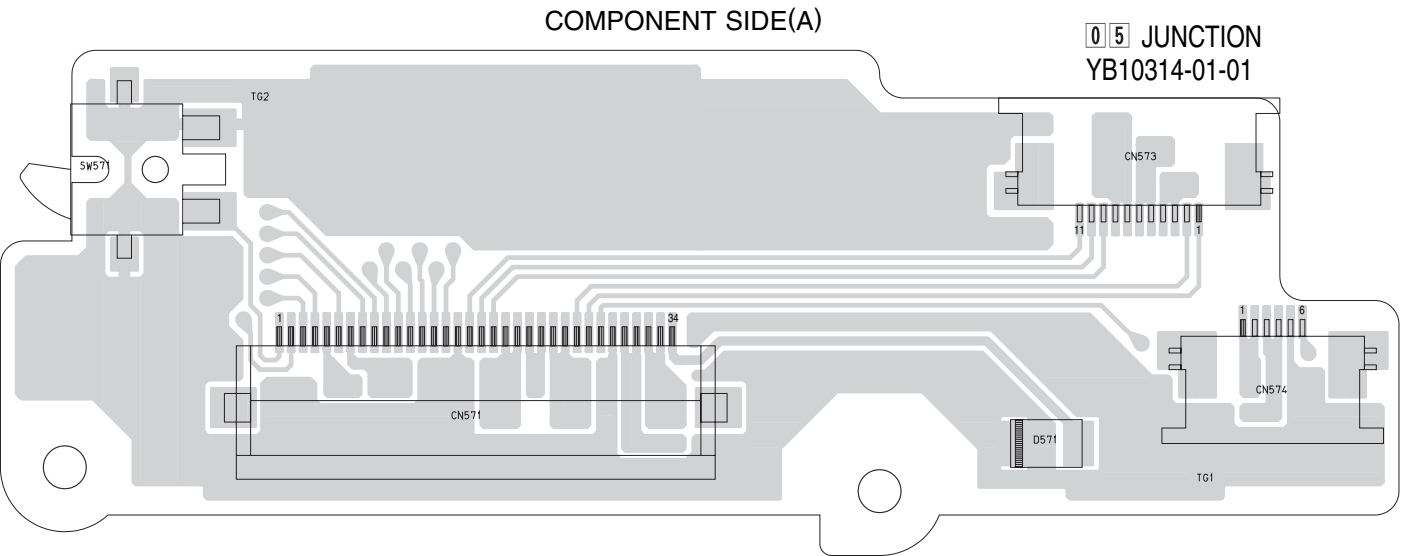
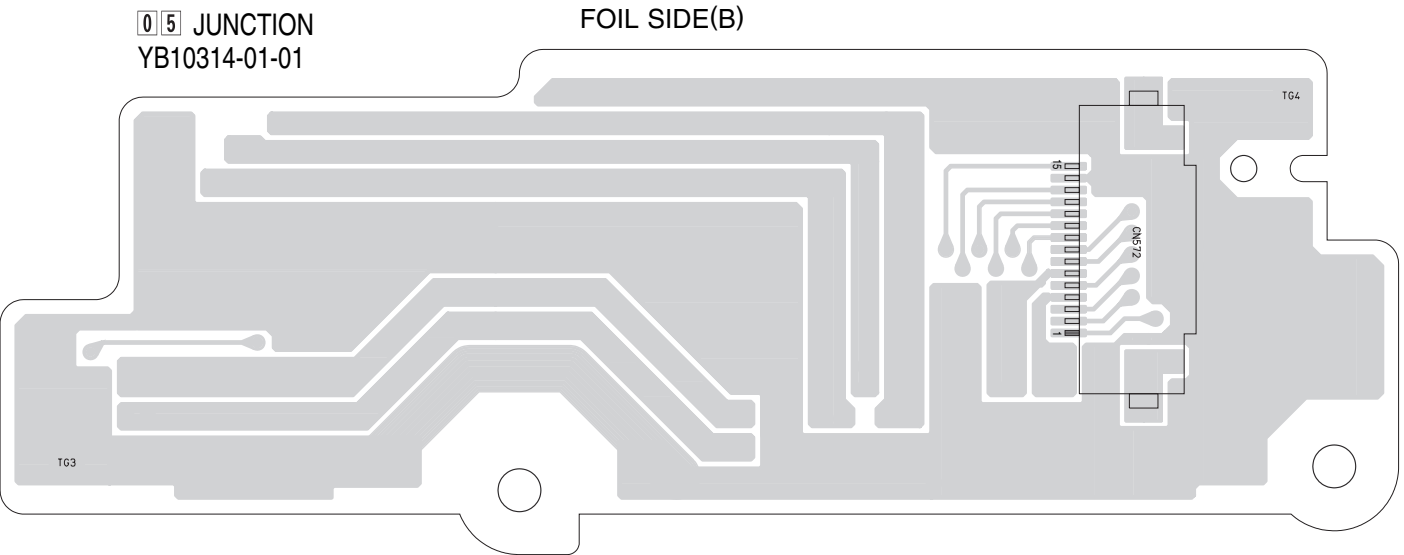
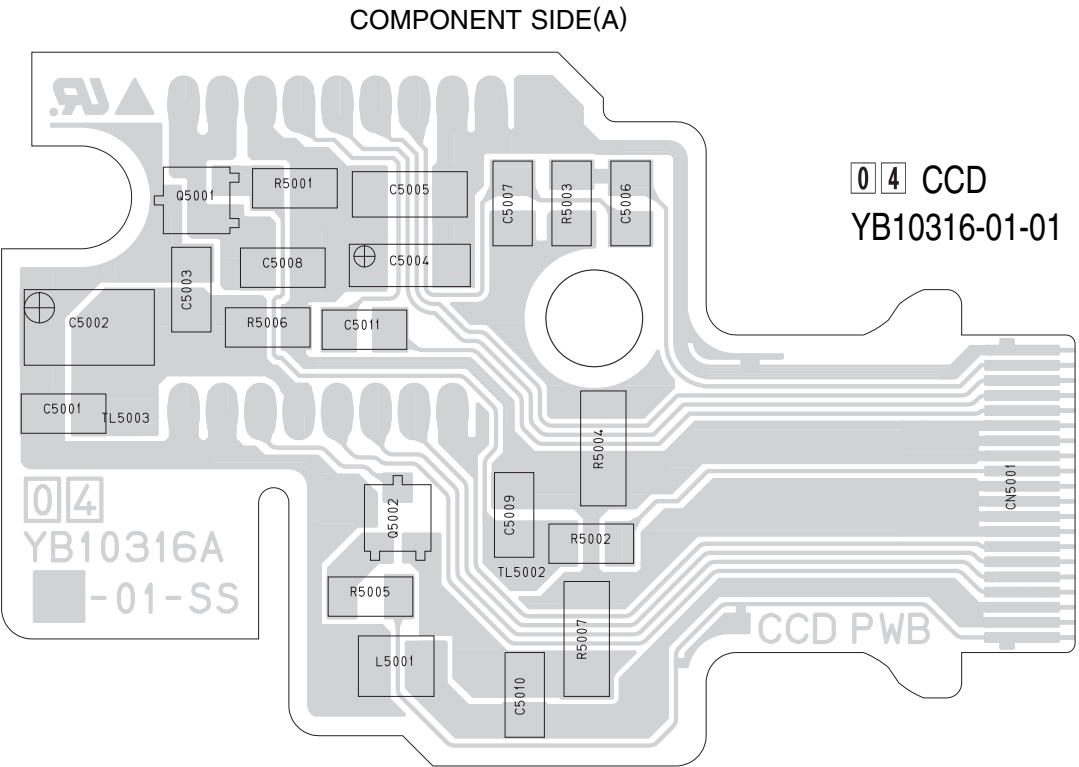
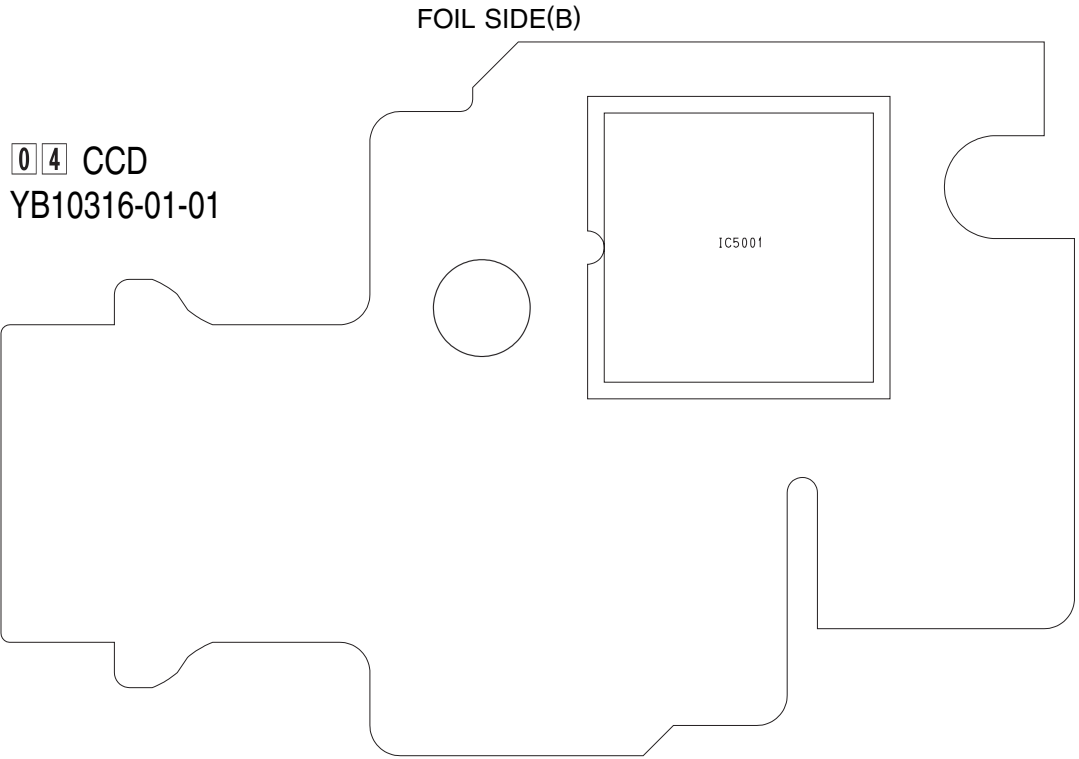
03 LCD BL
YB10324-01-02



COMPONENT SIDE(A)

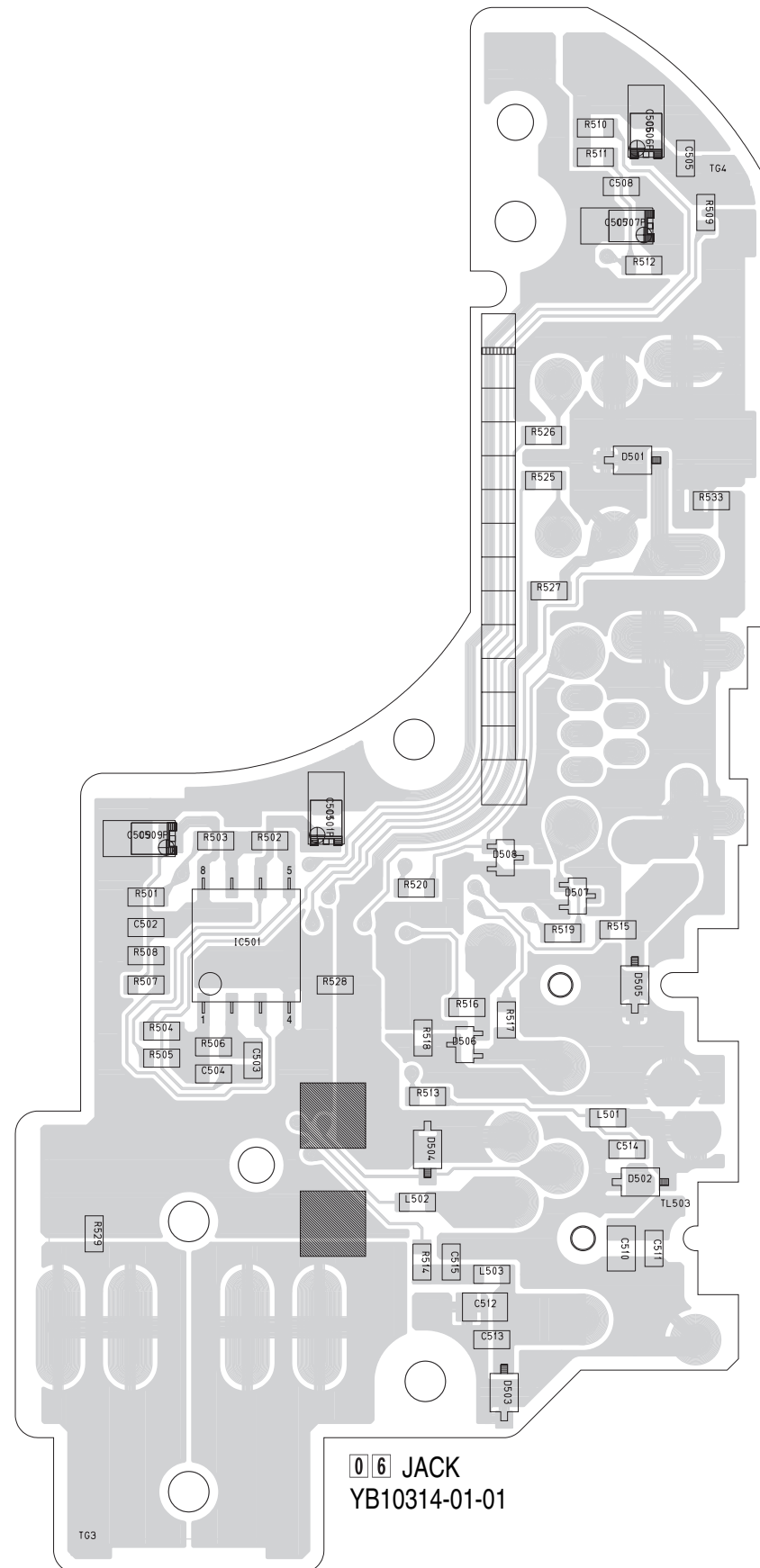
03 LCD BL
YB10324-01-02



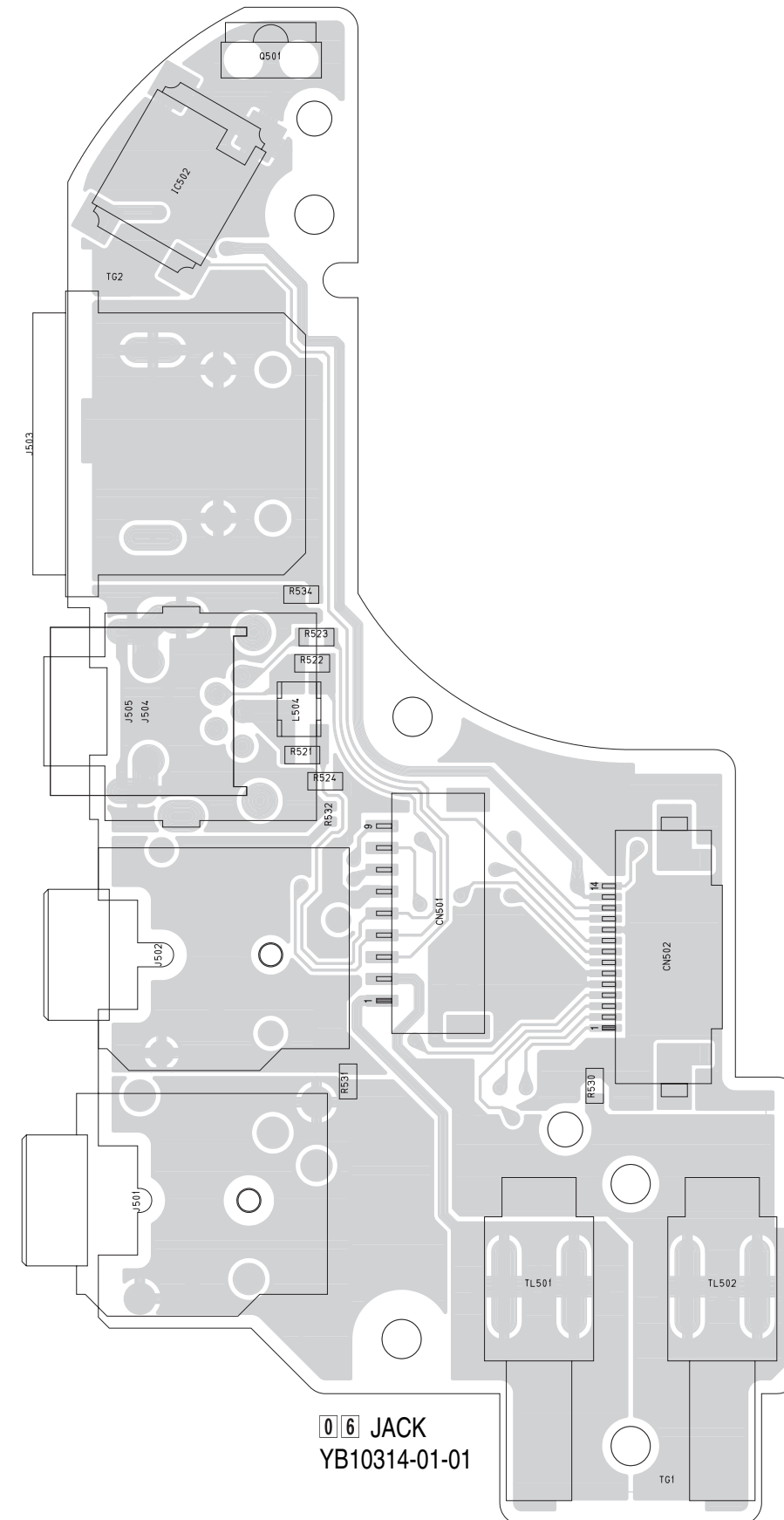


4.29 JACK CIRCUIT BOARD

FOIL SIDE(B)



COMPONENT SIDE(A)



4.30 VOLTAGE CHARTS

<SYSCON>

MODE PIN NO.	REC	PLAY
IC1001	-	-
IC1002		
1	0	0
2	3.0	3.0
3	1.5	1.5
4	0	0
5	2.9	2.9
6	0.5	0.5
7	0.5	0.5
8	3.1	3.1
IC1003		
1	3.0	3.0
2	0.7	0.7
3	2.9	3.0
4	0	0
5	0.6	0.7
6	3.0	3.0
7	2.9	2.9
8	2.9	2.9
IC1004		
1	1.4	1.4
2	0	0
3	1.3	1.3
4	0	0
5	3.0	3.0
IC1005		
1	0	0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	3.0	3.0
IC1006		
1	2.7	2.7
2	0.5	0.5
3	0	0
4	3.0	3.0
5	3.0	3.0
6	3.0	3.0
7	1.3	1.3
8	1.4	1.4
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.9	2.9
20	2.7	2.7
IC1007		
1	3.0	3.0
2	3.0	3.0
3	3.0	3.0
4	3.0	3.0
5	3.0	3.0
6	3.0	3.0
7	0	0
8	3.0	3.0
9	3.0	3.0
10	3.0	3.0

MODE PIN NO.	REC	PLAY
11	1.3	1.3
12	1.5	1.5
13	3.0	3.0
14	3.0	3.0
IC1008		
1	3.0	3.0
2	1.0	1.0
3	0	0
4	0	0
5	0	0.5
6	3.0	3.0
7	0	0
8	3.0	0
IC1009		
1	0	0
2	0	0
3	3.0	3.0
4	3.0	3.0
Q1001		
E	0	0
C	0	0
B	0	0
Q1002		
E	0	0
C	3.0	3.0
B	0.6	0.6
Q1003		
E	0	0
C	0.5	0.5
B	0	0
Q1004		
E	3.1	3.1
C	0	0
B	3.1	3.1
Q1005		
E	0	0
C	3.1	3.1
B	0	0
Q1006		
E	2.9	0
C	2.9	0
B	0	3.0
Q1007		
E	0	0
C	0	3.0
B	3.1	0

<PC IF>

MODE PIN NO.	REC	PLAY
IC1303		
1	3.0	3.0
2	0	0
3	0	0
4	0	0
5	3.0	3.0
IC1304		
1	3.0	3.0
2	0	0
3	0	0
4	0	0
5	3.0	3.0

MODE PIN NO.	REC	PLAY
Q1301		
E	0	0
C	0	0
B	0	0

<VTR CPU>

MODE PIN NO.	REC	PLAY
IC1401	-	-
IC1403		
1	3.0	3.0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	3.0	3.0
8	3.0	3.0
IC1404		
1	-	-
2	2.9	2.9
3	-	-
4	0	0
5	-	-
6	0	0
7	-	-
8	2.9	2.9
Q1401		
1	3.0	3.0
2	3.0	3.0
3	3.0	3.0
Q1402		
1(E)	0	0
2(B)	3.0	3.0
3(E)	3.0	3.0
4(C)	2.7	2.7
5(C)	0	0
Q1403		
1(E)	0	0
2(B)	0	0
3(E)	3.0	3.0
4(C)	0	0
5(C)	3.0	3.0
Q1404		
1	0	0
2	0	0
3	3.0	3.0

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	0.8	0.8
3	0.8	0
4	0	0
5	0.8	0
6	0	0
7	0	0

MODE PIN NO.	REC	PLAY
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	4.7	4.7
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0.4	0.4
21	0	0
22	0	0
23	0.9	0.9
24	11.0	11.0
25	1.5	1.5
26	0	0
27	1.5	1.5
28	1.5	1.5
29	1.5	1.5
30	1.5	1.5
31	1.5	1.5
32	1.5	1.5
33	1.4	0
34	1.4	0
35	0	0
36	2.9	2.9
37	0	0
38	0.6	0.6
39	0	0.6
40	0	1.2
41	1.5	0
42	0.5	0.7
43	2.9	2.9
44	0	0
45	0	0
46	0	0
47	0.9	2.9
48	0	0
49	2.9	2.9
50	1.9	1.9
51	0	0
52	1.6	1.6
53	0	1.1
54	0.4	0.7
55	0.6	0.6
56	0.7	0.7
57	1.0	1.0
58	0.6	0.6
59	0	0
60	1.0	1.0
61	2.6	0
62	0	1.2
63	0	1.5
64	0	1.5
65	0	1.4
66	0	0
67	0	1.5
68	0.4	0
69	0	0
70	0	0.8

MODE PIN NO.	REC	PLAY
71	0	0.8
72	0	0.8
73	0.8	0
74	1.1	0
75	0	0
76	0	0
77	0	0
78	0	1.7
79	0	0
80	0	0
Q1601		
1(E)	0	0
2(B)	0	0
3(E)	4.8	4.8
4(C)	0	0
5(C)	4.8	4.8

<AUDIO>

MODE PIN NO.	REC	PLAY
IC2001		
1	2.0	2.0
2	2.0	2.0
3	2.0	2.0
4	2.0	2.0
5	1.5	1.5
6	1.5	1.5
7	1.5	1.5
8	0	0
9	3.0	3.0
10	1.5	1.5
11	1.5	1.5
12	1.5	1.5
13	1.5	1.5
14	1.5	1.5
15	1.5	1.5
16	1.5	1.5
17	1.5	1.5
18	1.5	0
19	1.5	2.3
20	2.3	2.3
21	1.5	1.4
22	2.3	2.3
23	2.3	2.3
24	4.7	4.7
25	2.3	2.3
26	0	0
27	2.9	2.9
28	0	0
29	1.5	1.5
30	1.5	1.5
31	1.5	1.7
32	2.9	1.7
33	3.0	3.0
34	1.5	1.5
35	1.5	1.5
36	1.5	1.5
37	3.0	3.1
38	2.4	3.1
39	0	0
40	2.4	2.4

MODE PIN NO.	REC	PLAY
41	0	0
42	0	0
43	4.8	4.8
44	1.5	1.5
45	2.0	2.0
46	2.0	2.0
47	2.0	2.0
48	2.0	2.0
49	2.0	2.0
50	2.0	2.0
51	2.0	2.0
52	2.6	2.6
53	2.0	2.0
54	2.0	2.0
55	4.0	4.0
56	2.0	2.0
57	0	0
58	4.0	4.0
59	2.0	2.0
60	2.0	2.0
61	2.0	2.0
62	2.0	2.0
63	2.0	2.0
64	2.0	2.0
Q2001		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2002		
E	4.1	4.1
C	4.8	4.8
B	4.7	4.7
Q2004		
E	0	0
C	0	0
B	0.7	0.7

<DV MAIN>

MODE PIN NO.	REC	PLAY
IC3001	-	-
IC3002		
1	0	0.4
2	0	0
3	0	0
4	0.5	1.5
5	0.7	0
6	2.9	0
7	0	0
8	3.0	2.9
IC3003		
1	3.0	2.9
2	1.0	0.9
3	0	0
4	0	0
5	0	0
6	0.5	1.5
7	2.3	2.3

MODE PIN NO.	REC	PLAY
8	3.0	2.9
IC3004		
1	0.5	0
2	0.5	0
3	0	0
4	0.8	2.9
5	2.9	2.9
IC3006		
1	2.9	2.9
2	0	0
3	0	0
4	0	0
5	2.9	2.9
6	0	0
7	1.0	1.5
8	1.3	0.7
9	1.3	1.3
10	0	0
11	0	0
12	2.9	2.9
13	0	0
14	0	0
15	0.5	0.5
16	0	0

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	0	0
2	1.1	1.1
3	0	0
4	0	0
5	0	2.5
6	3.3	0
7	1.4	0
8	0	0
9	1.6	3.0
10	0	1.6
11	3.0	0
12	0	0
13	4.8	4.8
14	0	0
15	0	0
16	0	0
17	0	0
18	3.7	1.7
19	3.4	1.7
20	3.5	0
21	3.7	1.7
22	0	0
23	3.7	1.7
24	3.5	1.7
25	3.5	1.7
26	3.7	1.7
27	0	0
28	2.3	2.5
29	3.4	1.7
30	3.4	1.7
31	2.4	2.5
32	0	0

MODE PIN NO.	REC	PLAY
33	0	0
34	0	0
35	1.8	1.8
36	0.4	0
37	3.0	3.0
38	0	3.0
39	3.0	3.0
40	1.5	1.5
41	0	3.0
42	3.0	0
43	4.8	4.8
44	2.9	0
45	0	0
46	0	1.9
47	0	2.0
48	4.7	3.0
49	4.4	2.8
50	0.4	1.6
51	1.2	1.2
52	0.8	1.5
53	0	0
54	3.2	2.6
55	2.5	1.9
56	1.1	1.1
57	2.5	1.9
58	2.5	1.3
59	0	0
60	1.2	1.2
61	3.4	1.9
62	2.5	1.9
63	2.5	1.3
64	2.5	1.9

<V OUT>

MODE PIN NO.	REC	PLAY
IC3701		
1	0	0
2	2.3	2.3
3	0	0
4	0	0
5	0	0
6	0	0
7	1.9	1.9
8	0	0
9	2.3	2.3
10	0	0
11	2.0	2.0
12	2.2	2.2
13	4.8	4.8
14	1.8	1.8
15	1.9	1.9
16	4.8	

MODE PIN NO.	REC	PLAY
Q3954		
E	0	0
C	4.8	4.8
B	0	0

<CAM DSP>

MODE PIN NO.	REC	PLAY
IC4201		
1	0	0
2	1.1	0
3	1.1	0
4	1.0	0
5	0.7	0
6	0.7	0
7	2.2	3.0
8	0.5	0
9	0.7	0
10	0.4	0
11	0	0
12	0	0
13	0	0
14	0	0
15	2.9	3.0
16	1.2	0
17	2.8	0
18	2.1	0
19	0	0
20	2.4	0
21	0	0
22	0	0
23	3.0	0
24	0	0
25	0	0
26	1.9	0
27	1.4	0
28	1.9	0
29	2.1	0
30	0	0
31	3.0	3.0
32	1.9	0
33	0.9	0
34	1.4	0
35	1.2	0
36	0	0
37	0	0
38	3.0	3.0
39	0	0
40	0	0
41	3.0	3.0
42	0	0
43	3.0	3.0
44	3.0	0
45	0	1.5
46	3.0	3.0
47	0	0
48	0	0
IC4202		
1	4.8	4.8
2	0	0
3	1.2	1.2

<OP DRIVE>

MODE PIN NO.	REC	PLAY
4	3.0	3.0
5	4.8	4.8
IC4301	-	-
IC4302		
1	0	0
2	0	1.4
3	1.4	0.9
4	0.9	0.9
5	0.9	0.9
6	0.9	0.9
7	0.8	0.8
8	1.2	1.2
9	1.2	1.3
10	1.8	1.9
11	1.0	1.1
12	1.2	1.0
13	1.2	1.1
14	1.3	1.1
15	1.3	1.4
16	0	0
17	2.7	2.6
18	2.9	2.9
19	0	3.0
20	0	0
21	3.0	3.0
22	2.7	2.7
23	2.7	2.7
24	0	0
25	1.3	1.5
26	1.5	1.4
27	1.4	1.3
28	1.3	1.3
29	1.2	1.2
30	1.8	1.8
31	1.5	1.5
32	1.4	1.3
33	1.1	1.1
34	1.2	1.3
35	1.1	0
36	1.1	1.2
37	1.6	1.6
38	0	0
Q4301		
1(E)	0.9	0.9
2(E)	0.9	0.9
3(B)	0	0
4(C)	0	0
5(B)	0	0
6(C)	0	0
Q4302		
1(E)	1.2	1.2
2(E)	0	0.9
3(B)	0	0
4(C)	0	0
5(B)	0.6	0.6
6(C)	0	0

MODE PIN NO.	REC	PLAY
IC4802		
1	2.9	2.9
2	2.6	2.6
3	2.6	2.6
4	0	0
5	2.6	2.6
6	2.6	2.6
7	2.6	2.6
8	4.7	4.7
IC4803		
1	1.0	1.0
2	0	0
3	0	0
4	0	0
5	2.6	2.6
6	2.6	2.6
7	2.4	3.3
8	4.7	4.8
IC4804		
1	2.2	0
2	2.4	3.0
3	2.4	2.9
4	0	0
5	1.8	3.0
6	1.8	3.0
7	1.2	0
8	4.7	4.8
IC4806		
1	2.4	3.0
2	2.4	3.0
3	2.4	3.0
4	0	0
5	3.0	3.0
6	0.6	0
7	0.6	0
8	3.0	3.0
IC4851		
1	0	0
2	0.6	0.6
3	0	0.4
4	0.4	0
5	0	0.4
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	0	0
21	0.7	0
22	0	0
23	4.8	4.8
24	0	0
25	0	0
26	0	0

MODE PIN NO.	REC	PLAY
27	4.8	4.8
28	0	0
29	0	0
30	0	0
31	3.0	3.0
32	0	0
33	0	0
34	1.3	1.5
35	3.0	3.0
36	1.4	1.4
37	1.4	1.4
38	3.1	3.1
Q4801		
E	0	0
C	2.3	2.3
B	1.0	1.0
Q4851		
E	0	0
C	3.8	3.8
B	0	0

<TG/VDRV>

MODE PIN NO.	REC	PLAY
IC5501		
1	-0.5	-0.7
2	2.4	0
3	2.9	0
4	2.9	2.9
5	0	0
6	2.9	2.9
7	0	0
8	0.5	0
9	0	0
10	2.9	2.9
11	1.4	0
12	2.9	2.9
13	0	0
14	1.2	0
15	0	0
16	2.9	2.9
17	2.2	0
18	2.2	0
19	2.2	0
20	0	0
21	0	0
22	0	0
23	0	0
24	2.9	2.9
25	1.3	0
26	3.0	3.0
27	0	0
28	1.2	1.8
29	0	0
30	1.3	1.5
31	0	0
32	0	0
33	2.9	2.9
34	1.5	0
35	1.2	0
36	2.9	0

MODE PIN NO.	REC	PLAY
37	2.9	0
38	3.0	3.0
39	0	0
40	0	0
41	-6.3	0
42	0	11.9
43	11.9	11.9
44	-6.2	11.9
45	-6.6	-6.7
46	-6.6	0
47	0	0
48	2.9	0

<REG>

MODE PIN NO.	REC	PLAY
IC6001		
1	8.0	8.0
2	10.4	10.4
3	0	0
4	0	0
IC6101		
1	3.1	3.1
2	3.1	3.1
3	3.1	3.1
4	1.5	1.5
5	3.1	3.1
6	0	0
7	1.3	1.3
8	11.0	11.0
9	1.0	1.0
10	1.2	1.2
11	2.1	2.1
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.2	2.2
20	0.9	0.9
21	0	0
22	2.2	2.2
23	1.0	1.0
24	0.6	0.6
25	1.0	1.0
26	0.5	0.5
27	1.0	1.0
28	0.8	0.8
29	1.0	1.0
30	0.9	0.9
31	0	0
32	0	0
33	0.5	0.5
34	0	0
35	0	0
36	0.5	0.5
37	0.8	0.8
38	0	0
39	1.0	1.0

MODE PIN NO.	REC	PLAY
40	0	0
41	2.4	2.4
42	1.1	1.1
43	0	0
44	2.1	2.1
45	2.1	2.1
46	2.1	2.1
47	8	8
48	1.0	1.0
49	1.1	1.1
50	2.1	2.1
51	11.0	11.0
52	0	0
53	10.2	10.2
54	9.4	9.4
55	4.7	4.7
56	6.1	6.1
57	9.3	9.3
58	7.9	7.9
59	0	0
60	11.0	11.0
61	0	0
62	10.3	10.3
63	1.3	1.3
64	1.0	1.0
Q6001		
E	0	0
C	0	0
B	3.0	3.0
Q6002		
D	10.4	10.4
S	0	0
G	0	0
Q6003		
D	0	0
S	4.1	4.1
G	0	3.1
Q6004		
E	11.0	11.0
C	3.0	3.0
B	10.4	10.4
Q6101		
D	0	0
S	0	0
G	0	0
Q6102		
D	0	0
S	0	0
G	3.0	3.0
Q6201		
D	3.0	3.0
S	11.0	11.0
G	7.9	7.9
Q6202		
E	0	3.0
C	2.5	2.5
B	2.3	2.3
Q6203		
1(D)	1.8	1.8
2(D)	1.8	1.8
3(G)	9.3	9.3
4(S)	11.0	11.0
5(D)	1.8	1.8

MODE PIN NO.	REC	PLAY
6(D)	1.8	1.8
Q6204		
D	4.8	4.8
S	11.0	11.0
G	6.2	6.2
Q6205		
E	4.8	4.8
C	0	0
B	4.8	4.8
Q6206		
E	0	0
C	4.8	4.8
B	0	0
Q6207		
E	0	0
C	4.8	4.8
B	0	0
Q6208		
1(D)	1.7	1.7
2(D)	1.7	1.7
3(G)	9.4	9.4
4(S)	11.0	11.0
5(D)	1.7	1.7
6(D)	1.7	1.7
Q6210		
1(D)	0.9	0.9
2(D)	0.9	0.9
3(G)	10.2	0
4(S)	11.0	11.0
5(D)	0.9	0.9
6(D)	0.9	0
Q6211		
D	0	0
S	11.0	11.0
G	4.7	4.7
Q6212		
1(E)	4.3	4.3
2(B)	4.8	4.8
3(C)	15.0	15.0
4(E)	0	4.3
5(B)	5.0	4.9
6(C)	14.4	14.4
Q6213		
E	15.0	15.0
C	11.9	11.9
B	14.4	14.4
Q6214		
E	0	0
C	15.0	15.0
B	0	-1.1
Q6215		
1(E)	-6.0	-6.1
2(B)	-6.5	-6.6
3(C)	-15.3	-15.3
4(E)	-6.1	-6.1
5(B)	-6.6	-6.7
6(C)	-13.3	-15.2
Q6216		
E	-13.9	-15.3
C	-6.6	-6.7
B	-13.9	-15.2
Q6217		
1(E)	0	0

MODE PIN NO.	REC	PLAY
2(B)	0	0
3(C)	0	0
4(E)	0	11.0
5(B)	11.0	11.0
6(C)	11.0	11.0
Q6701		
1(D)	0	0
2(D)	0	0
3(G)	11.0	11.0
4(S)	11.0	11.0
5(D)	0	0
6(D)	0	0

<DSC/USB>

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MODE PIN NO.	REC	PLAY
24	1.0	1.0
25	0	0
26	1.0	1.0
27	1.0	1.0
28	1.0	1.0
29	1.0	1.0
30	1.0	1.0
31	0	0
32	0.8	0.6
33	0.8	0.6
34	0.8	0.6
35	0.8	0.6
36	1.0	1.0
37	0	1.0
38	1.0	1.0
39	1.0	1.0
40	1.0	1.0
41	1.0	1.0
42	0	0
43	0	0
44	1.0	1.0
45	1.0	1.0
46	0.9	0.6
47	0.9	0.6
48	0.9	0.6
49	0.9	0.6
50	0	0
51	1.0	1.0
52	1.0	1.0
53	1.0	1.0
54	1.0	1.0
55	1.0	1.0
56	0	0
57	1.3	1.0
58	1.0	1.0
59	0	0
60	0	0
61	1.0	1.0
62	1.0	1.0
63	1.0	1.0
64	1.0	1.0
65	0	0
66	0	0
67	1.0	1.0
68	1.0	1.0
69	1.0	1.0
70	1.0	1.0
71	1.0	1.0
72	1.0	1.0
73	0	1.0
74	0	1.0
75	1.0	0
76	0	1.0
77	0	1.0
78	0	1.0
79	0	1.0
80	1.0	1.0
81	1.0	0
82	0	0
83	1.0	1.0
84	0	0
85	1.0	1.0
86	1.0	1.0

MODE PIN NO.	REC	PLAY
87	1.0	1.0
88	1.0	1.0
89	1.0	1.0
90	0	0
91	1.0	1.0
92	0	0
93	1.0	1.0
94	0	1.0
95	1.0	1.0
96	0	0
97	0	0
98	0	0
99	0	0
100	0	0
IC8003		
1	1.0	1.0
2	1.0	1.0
3	1.0	1.0
4	1.0	1.0
5	1.0	1.0
6	1.0	1.0
7	1.0	1.0
8	1.0	1.0
9	1.0	1.0
10	0	0
11	1.0	1.0
12	0	0
13	0	0
14	0	0
15	0.7	0.7
16	1.0	1.6
17	1.0	1.0
18	1.0	1.0
19	1.0	1.0
20	1.0	1.0
21	1.0	0
22	1.0	1.0
23	1.0	1.0
24	1.0	1.0
25	1.0	1.0
26	1.0	1.0
27	0	0
28	1.0	1.0
29	0	0
30	0	0
31	1.0	1.0
32	0.9	0.7
33	1.0	1.0
34	0.9	0.7
35	1.0	1.0
36	0.8	0.8
37	1.0	1.0
38	0	0
39	0.9	0.7
40	0	0
41	0.9	0.7
42	0	0
43	0.9	0.7
44	0	0
45	0.9	0.7
46	0	0
47	1.0	1.0
48	1.0	1.0

MODE PIN NO.	REC	PLAY
IC8004		
1	4.8	0
2	0	0
3	0	0
4	0	0
5	1.0	1.0
IC8006		
1	0.5	0.5
2	0.5	0.5
3	1.0	1.0
4	0	0
5	0	0
6	0.6	0.6
7	0.6	0.6
8	1.0	1.0
IC8007		
1	1.0	1.0
2	1.0	1.0
3	1.0	1.0
4	0	0
5	0	0
6	1.0	1.0
7	1.0	1.0
8	1.0	1.0
IC8051		
1	0.7	0.7
2	1.0	1.0
3	0	0
4	1.0	1.0
5	1.0	1.0
IC8052		
1	0.5	0.5
2	0	0
3	0	0
4	0	0
5	0.7	0.7
6	0	0
7	0	0
8	1.0	1.0
IC8401	-	-
IC8402		
1	0	0
2	0	0
3	0	0
4	0	0
Q8001		
E	4.8	4.8
C	1.0	1.0
B	4.8	4.8
Q8401		
E	3.3	3.3
C	0	3.3
B	1.5	1.5

<JACK>

MODE PIN NO.	REC	PLAY
IC501		
1	1.9	1.9
2	1.9	1.9
3	1.9	1.9
4	0	0
5	1.9	1.9
6	1.9	1.9
7	1.4	1.4
8	4.8	4.8
IC502		
1	0	0
2	0	0
3	4.8	4.8
4	4.8	4.8
Q501		
E	0	0
C	4.2	4.2
B	-	-

<B/W VF>

MODE PIN NO.	REC	PLAY
IC7101	-	-
Q7101	-	-

<MONITOR>

MODE PIN NO.	EE
IC7601	
1	0
2	7.1
3	2.4
4	2.4
5	2.4
6	2.4
7	2.4
8	2.4
9	2.4
10	0
11	0
12	5.9
13	0
14	6.0
15	6.0
16	6.0
17	6.0
18	6.0
19	6.0
20	1.7
21	1.4
22	0
23	1.2
24	0.4
25	0
26	1.1
27	0.9
28	1.3
29	2.9
30	1.1
31	0
32	0.5
33	0
34	0
35	0
36	3.0
37	0
38	0
39	3.0
40	0.9
41	1.5
42	2.9
43	2.9
44	0
45	2.9
46	2.7
47	2.4
48	0
IC7602	
1	11.8
2	0.5
3	0.5
4	0
5	4.8
6	4.8
7	7.1
8	11.9
IC7603	
1	0.7
2	3.1
3	0
4	3.0

MODE PIN NO.	EE
5	3.0
6	0.7
7	0
8	0
IC7604	
1	1.0
2	3.0
3	2.3
4	1.0
5	3.1
6	0
7	0
8	0
9	1.0
10	0
11	0
12	1.0
13	0
14	3.0
Q7601	
E	-9.1
C	0
B	-8.6
Q7602	
E	0
C	0
B	-8.5
Q7603	
E	-8.6
C	0
B	-8.2
Q7604	
E	-8.6
C	-14.7
B	-9.1
Q7605	
E	2.9
C	2.9
B	0
Q7606	
E	0
C	0
B	2.9
Q7607	
1(E)	0
2(B)	6.3
3(C)	0
4(E)	6.3
5(B)	5.7
6(C)	11.9
Q7608	
E	0
C	0
B	3.1
Q7609	
E	0
C	4.7
B	0
Q7610	
E	4.8
C	1.4
B	4.7

<LCD BL>

MODE PIN NO.	EE
IC751	
1	0
2	4.5
3	0
4	0
5	3.1
6	0
7	0
8	0
9	0
10	0
Q7501	
E	0
C	4.5
B	0.4
Q7502	
E	0
C	4.5
B	0.4
Q7503	
E	4.6
C	0
B	0
Q7504	
E	0
C	0
B	0.7

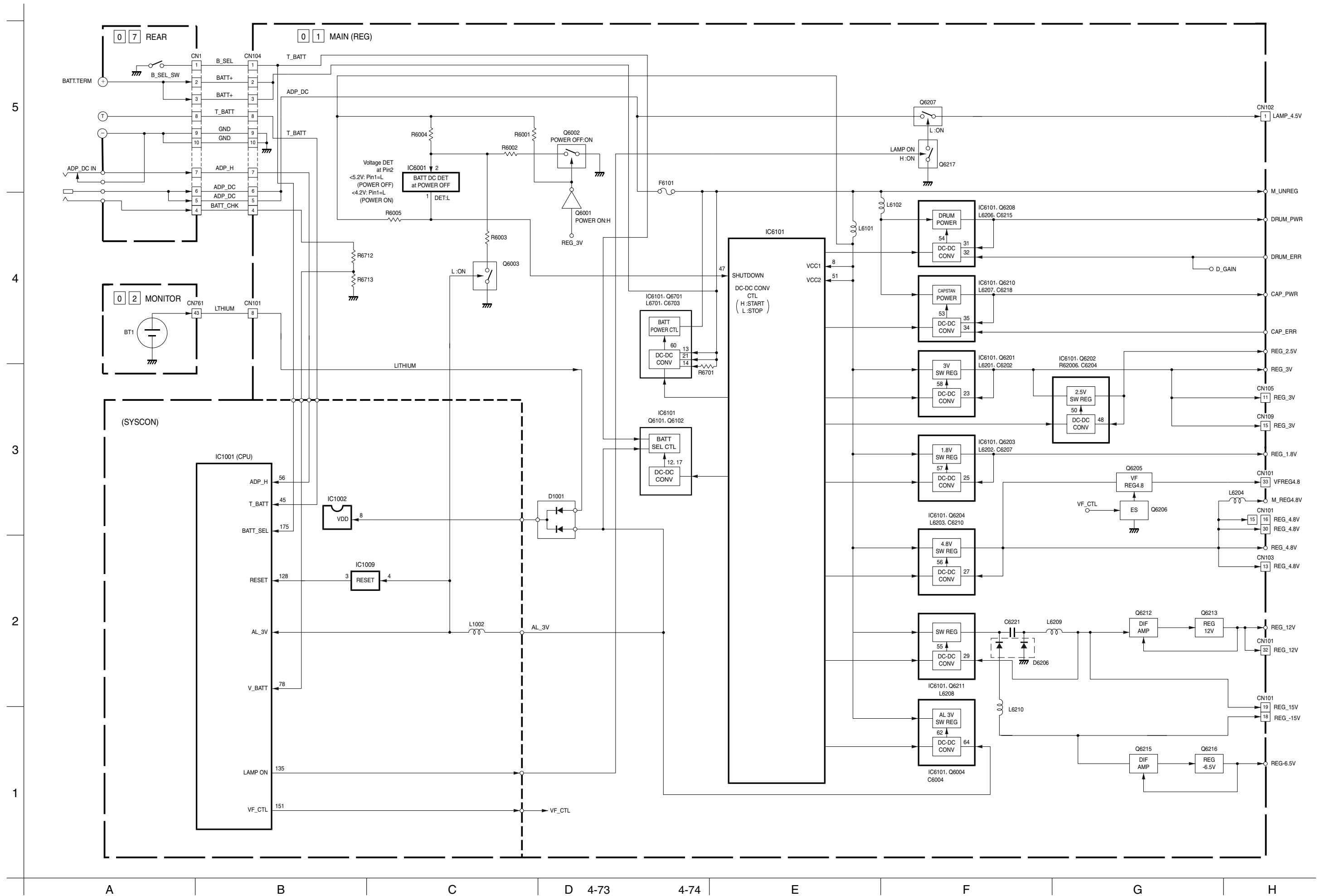
<CCD>

MODE PIN NO.	EE
Q5001	
E	0
C	8.1
B	0

5



4.33 REGULATOR SYSTEM BLOCK DIAGRAM



4.34 AUDIO SYSTEM BLOCK DIAGRAM

